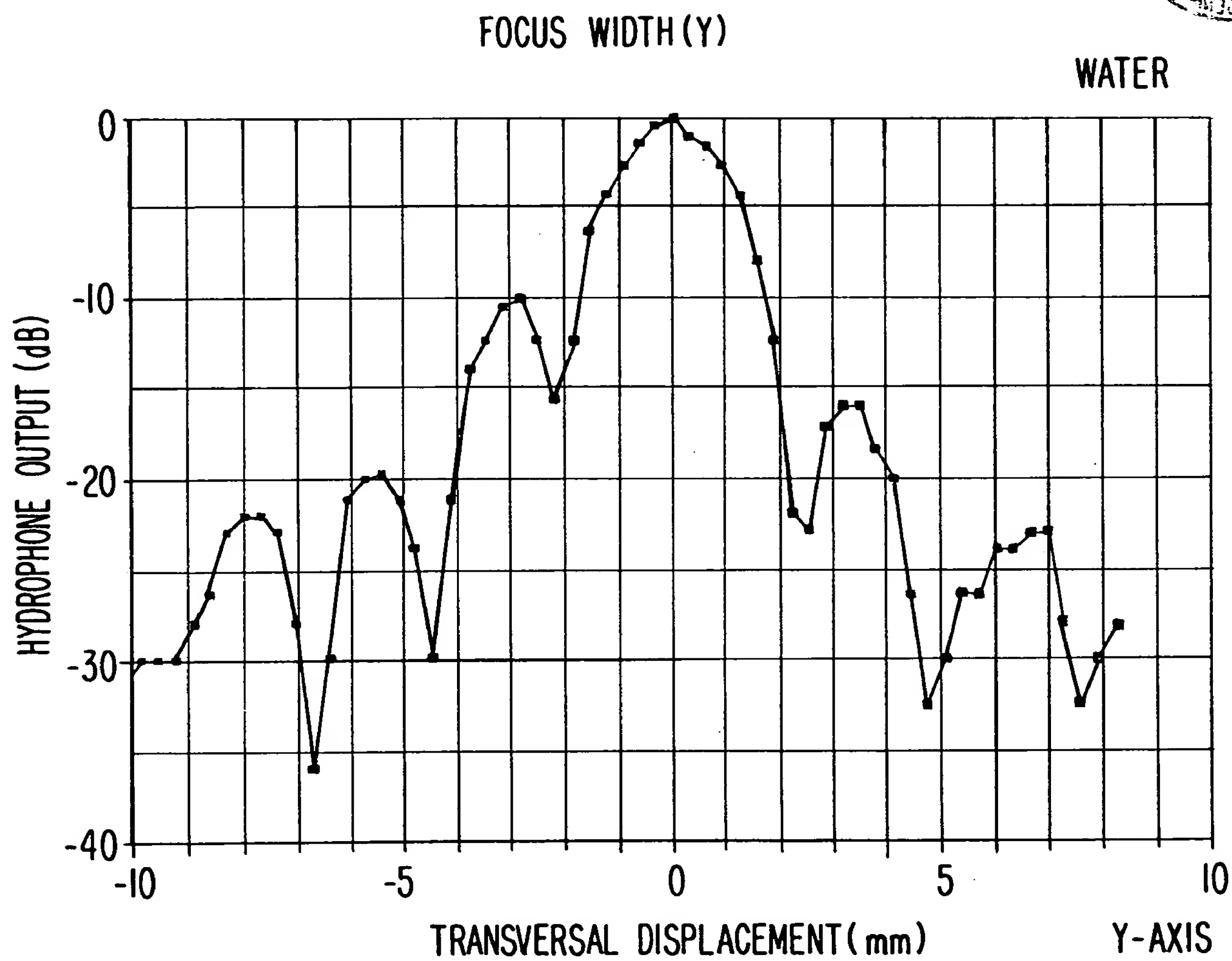


FIG. 2



$t = 20 \mu s, T = 74 ms, 46V$

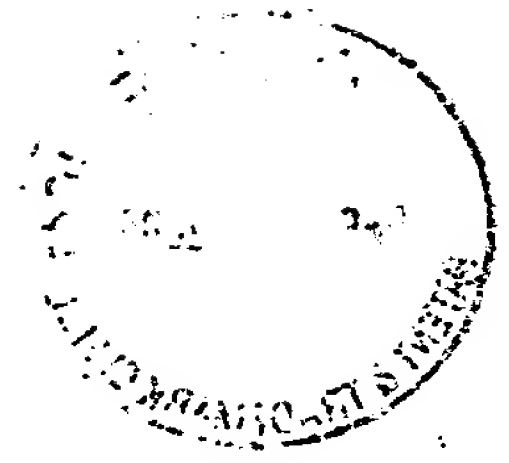
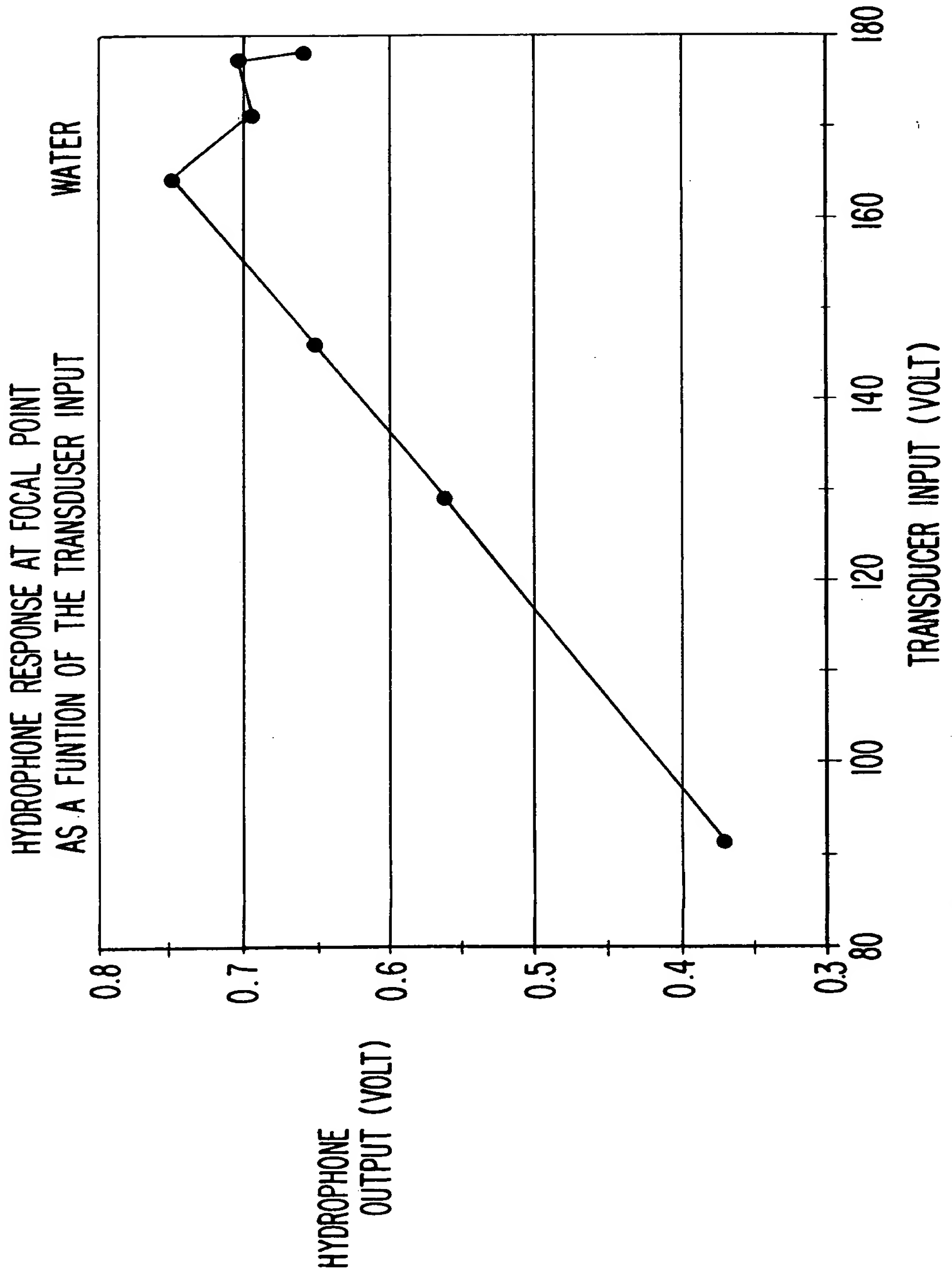


FIG. 3



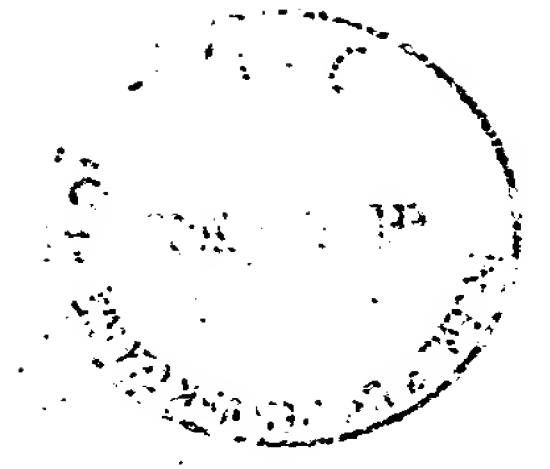
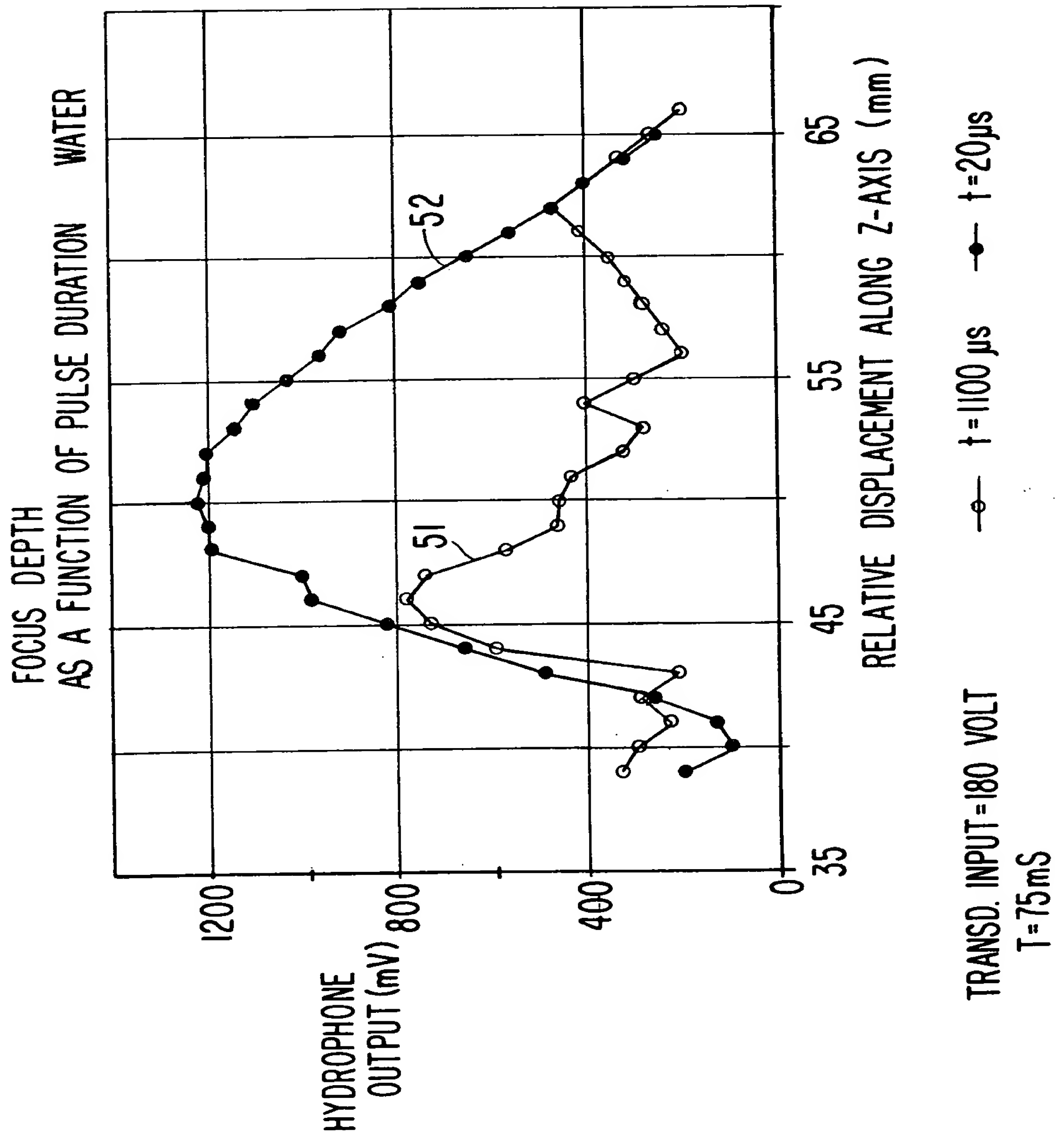


FIG. 4





ACOUSTIC FIELD AS A FUNCTION OF
ELECTRIC INPUT TO TRANSDUCER

WATER

FIG. 6

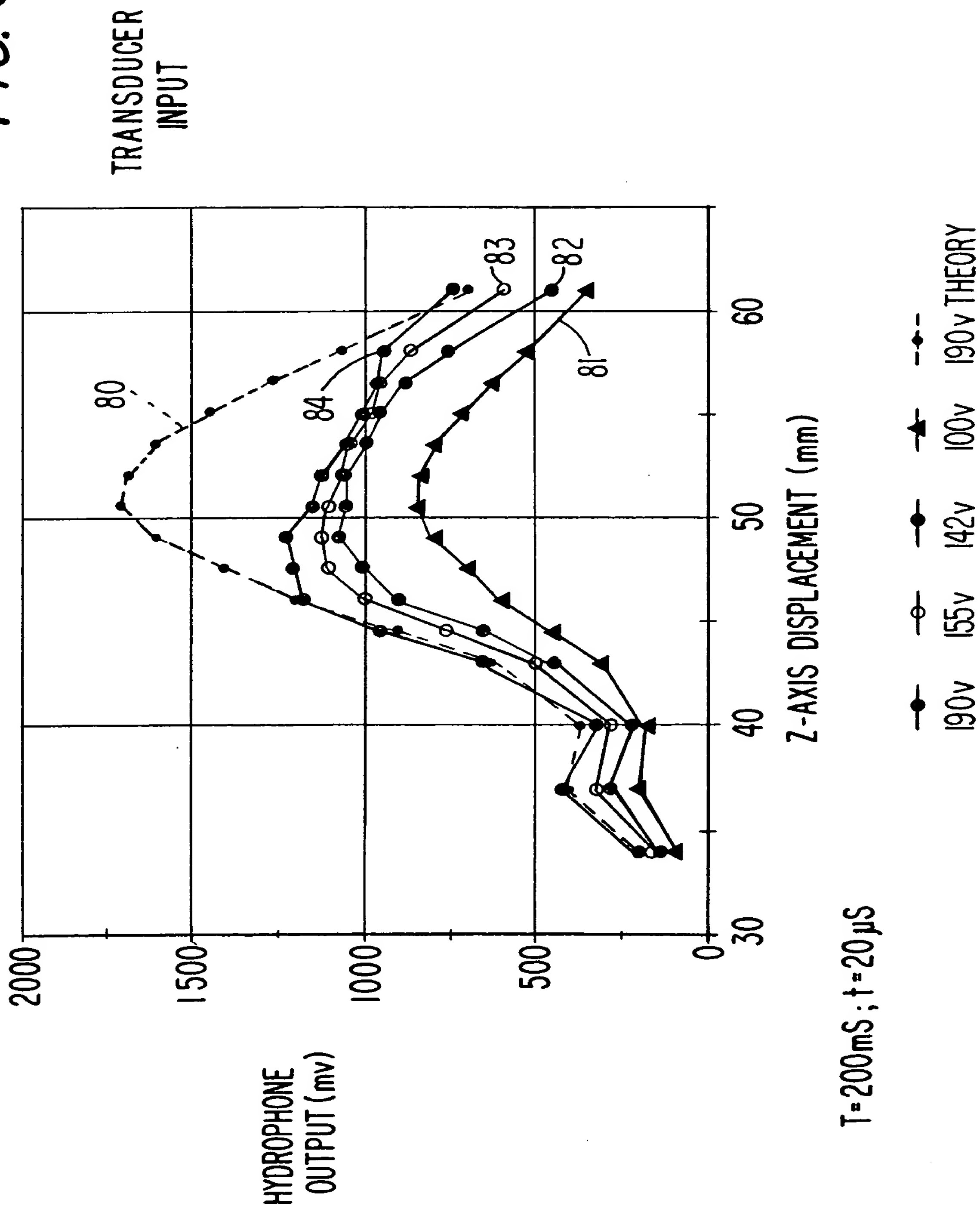
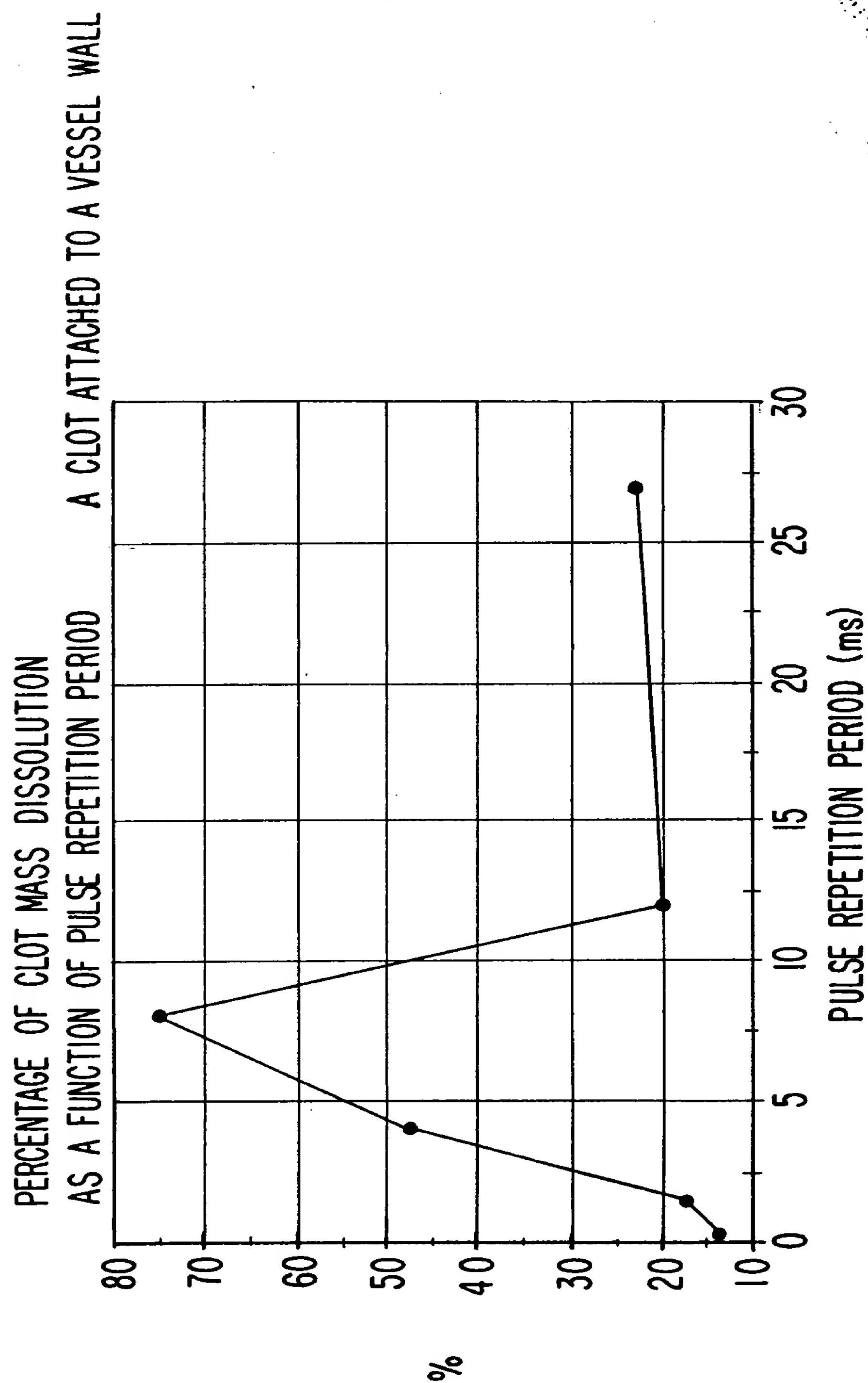


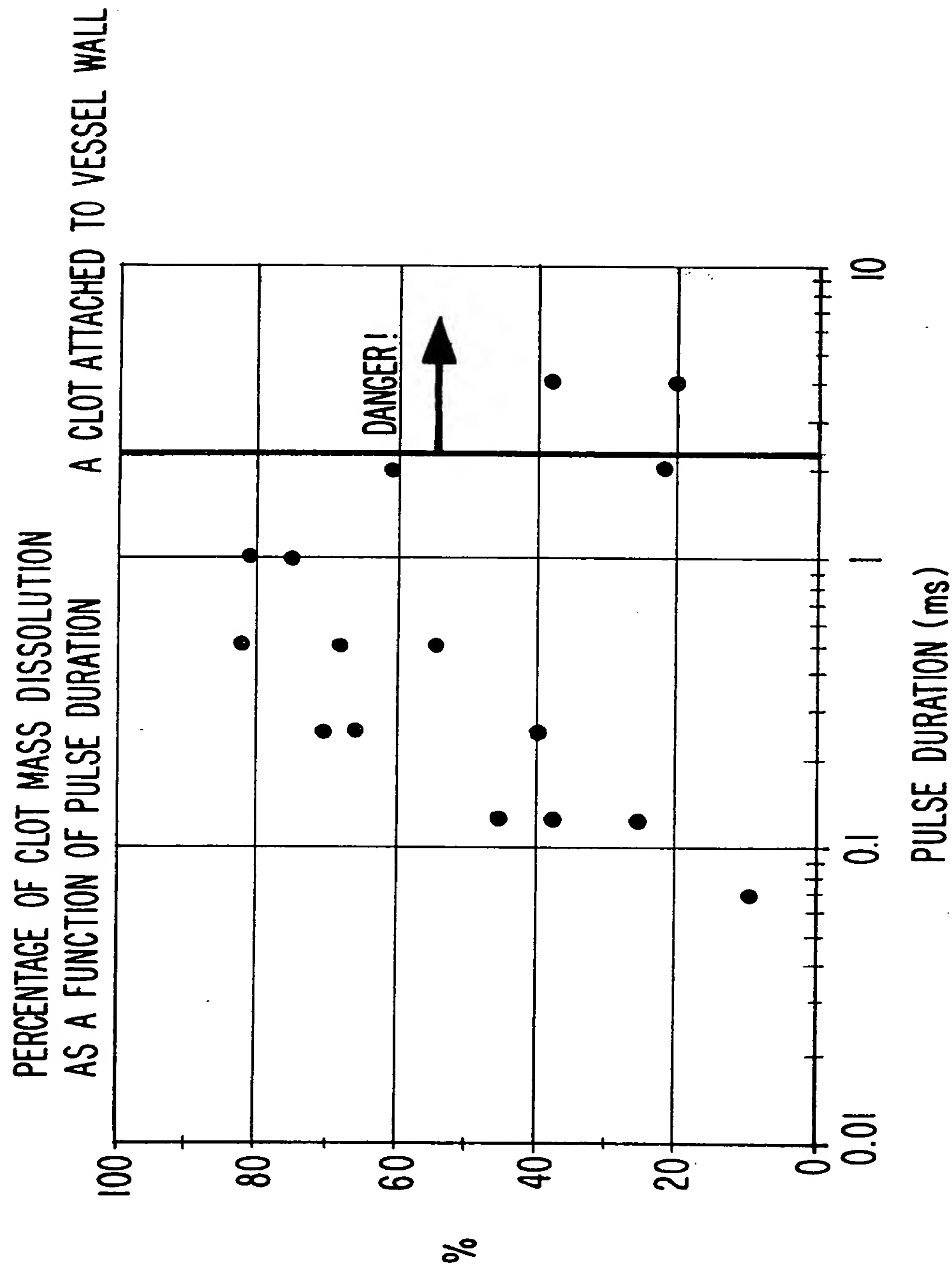
FIG. 7



DUTY CYCLE (T/t) = 8
INTENSITY = 1300 W/cm²



FIG. 8



$T = 8 \text{ ms}$
 $I = 1300 \text{ W/cm}^2$

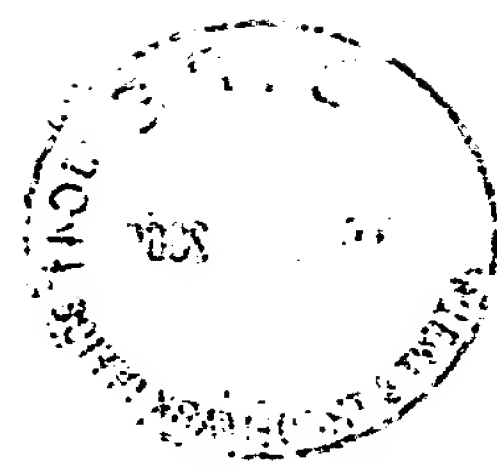
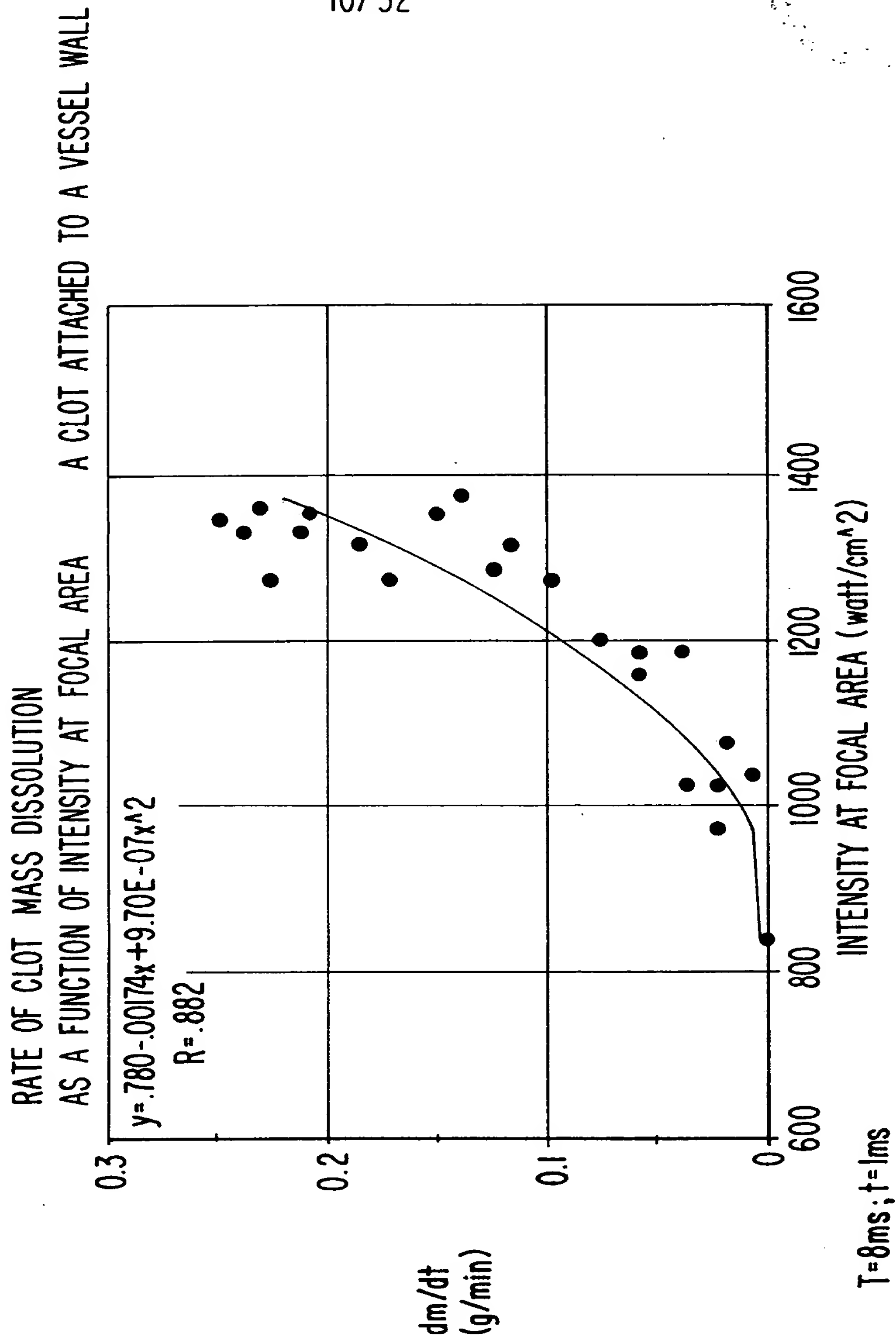


FIG. 9



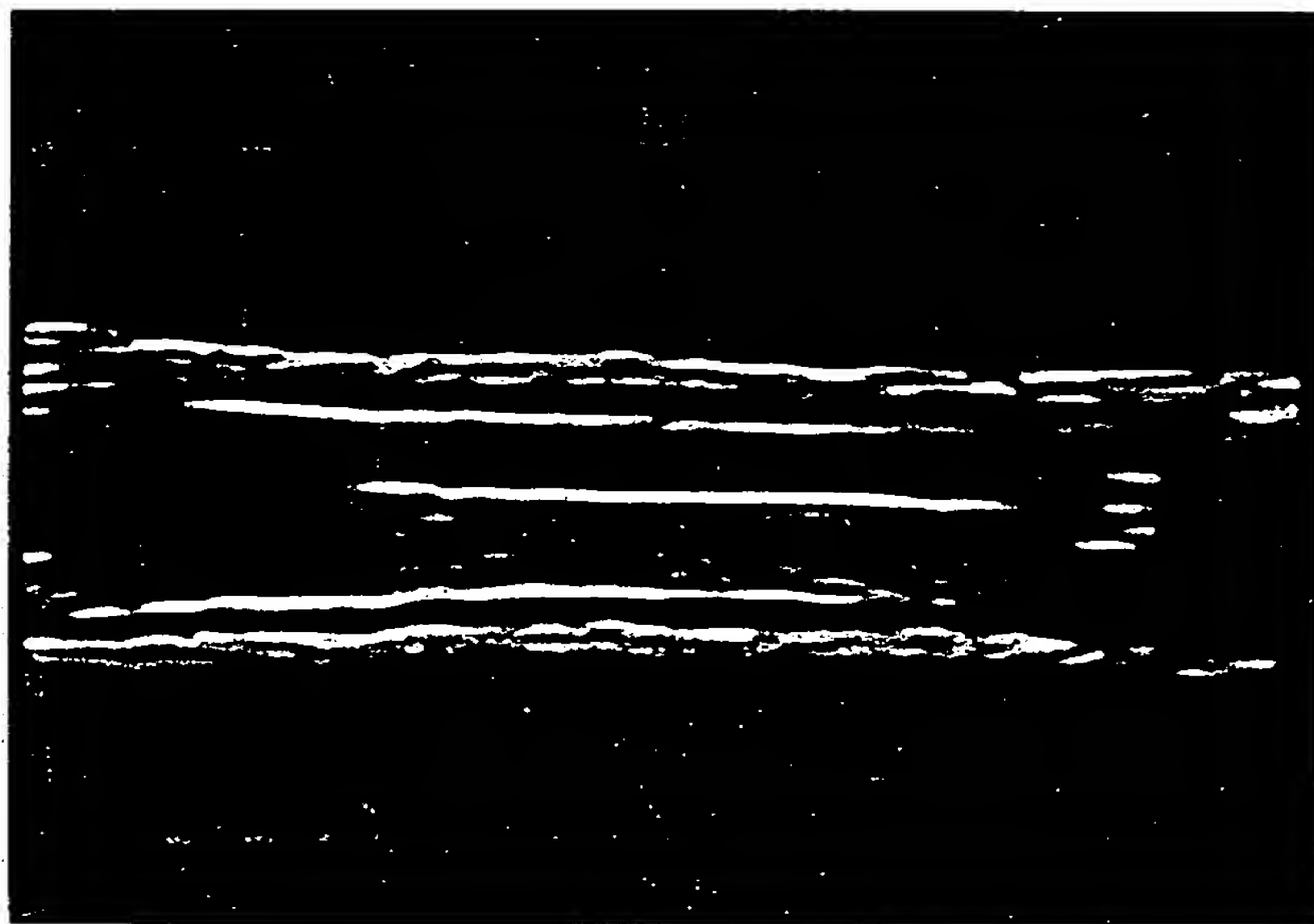


FIG. 10A

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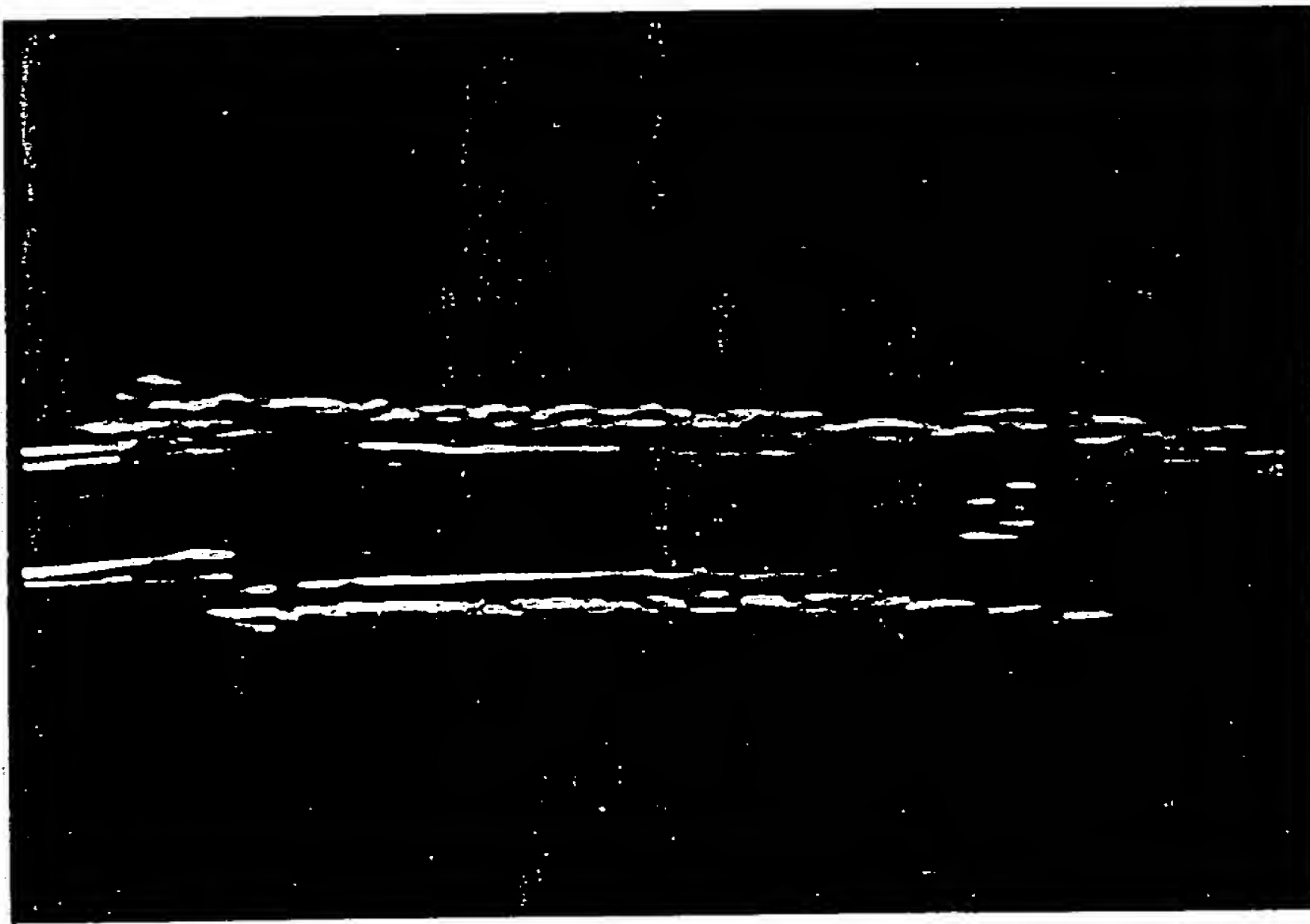
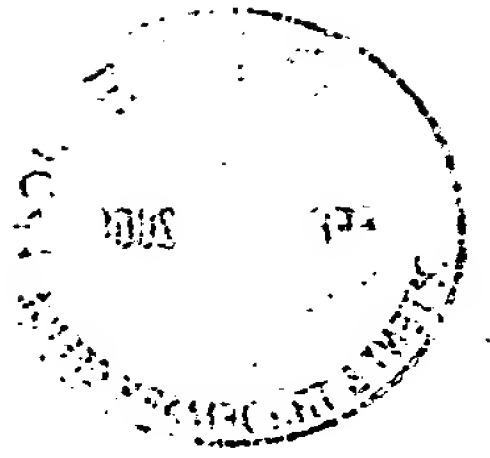


FIG. 10B

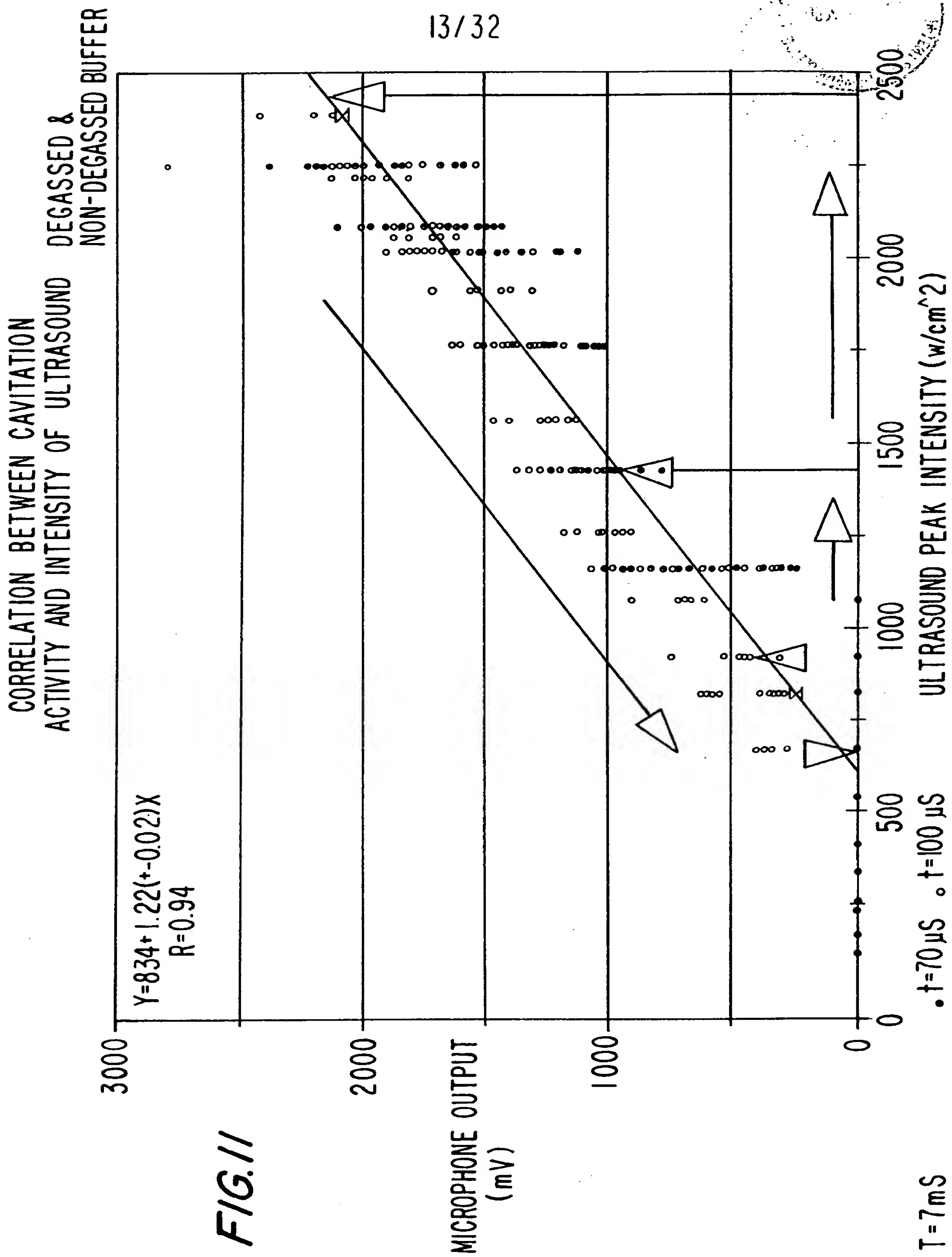


FIG. 11

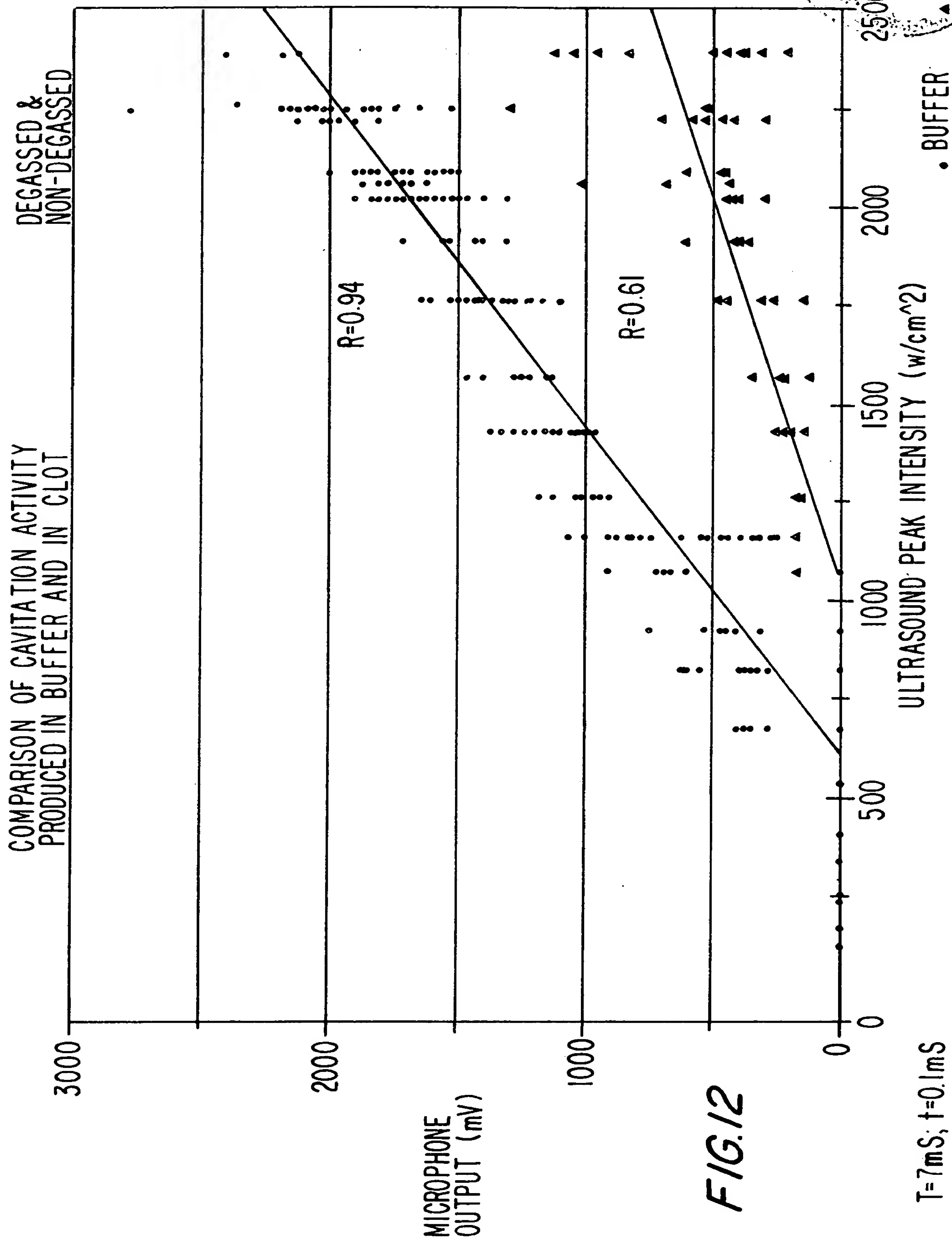


FIG. 12

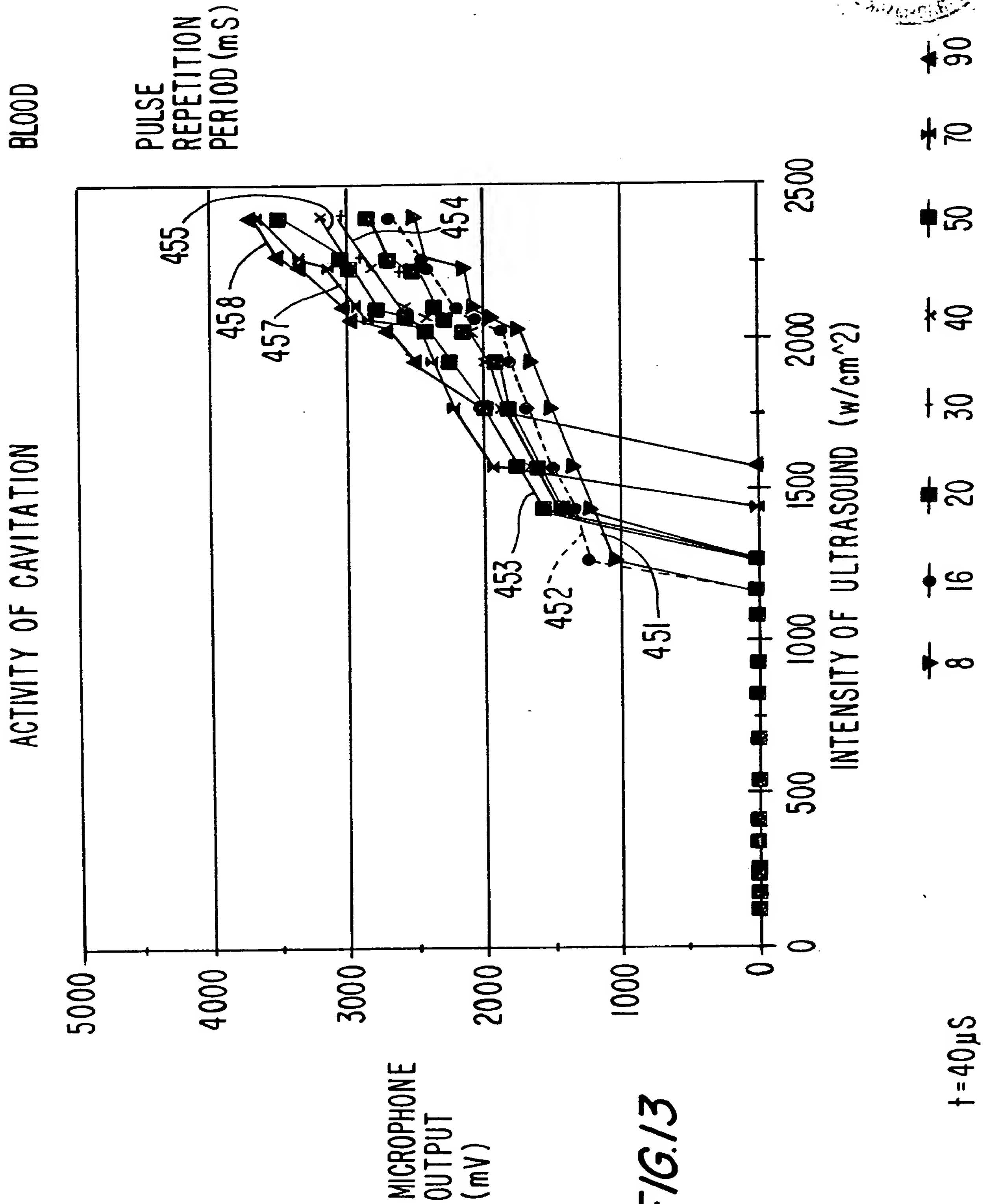
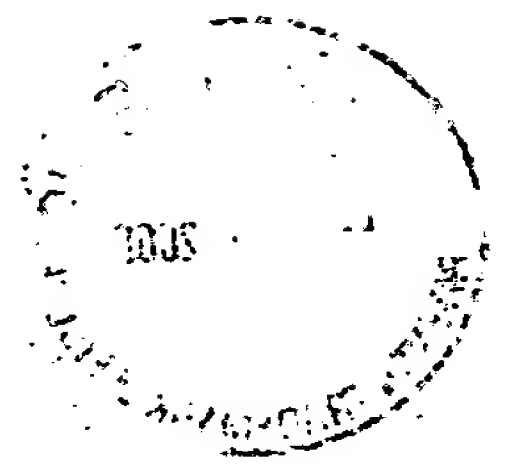


FIG. 13

ACTIVITY OF CAVITATION

BLOOD

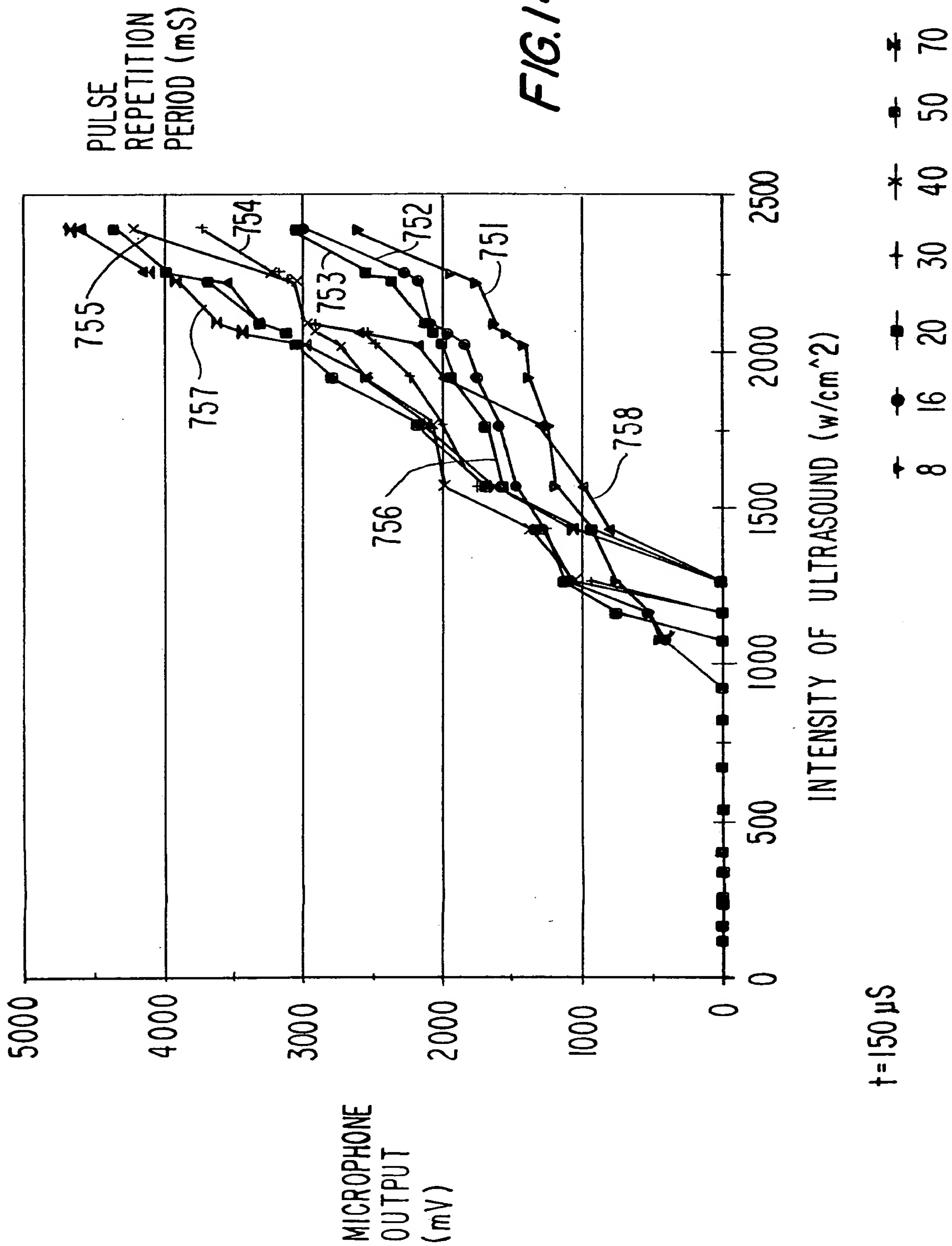
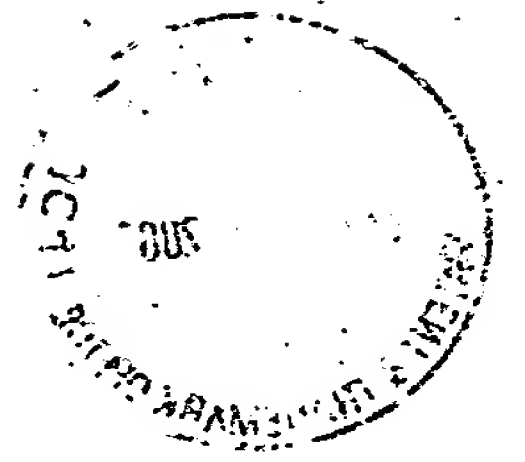


FIG.14



INFLUENCE OF PULSE DURATION
ON ACTIVITY OF CAVITATION

BUFFER

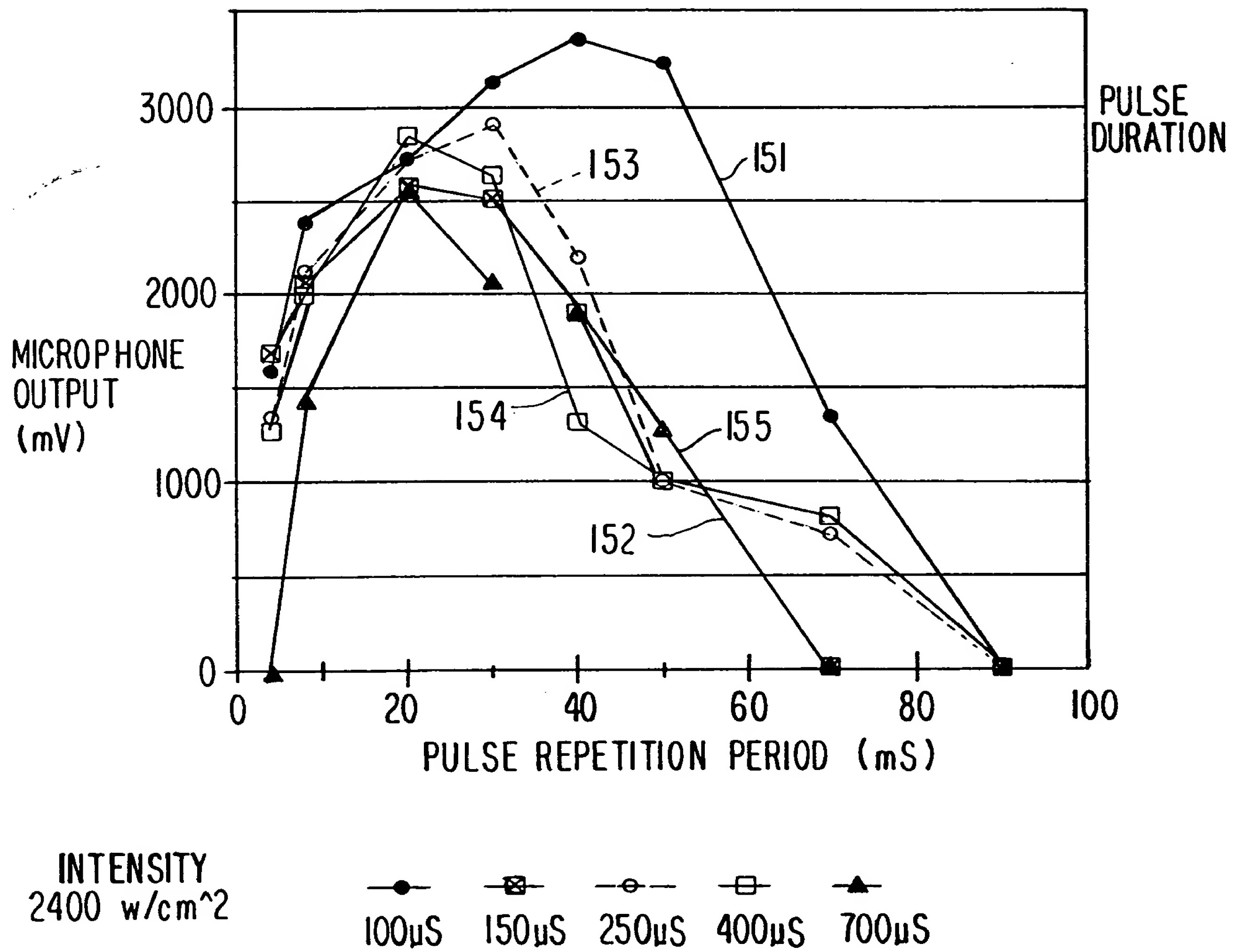


FIG. 15

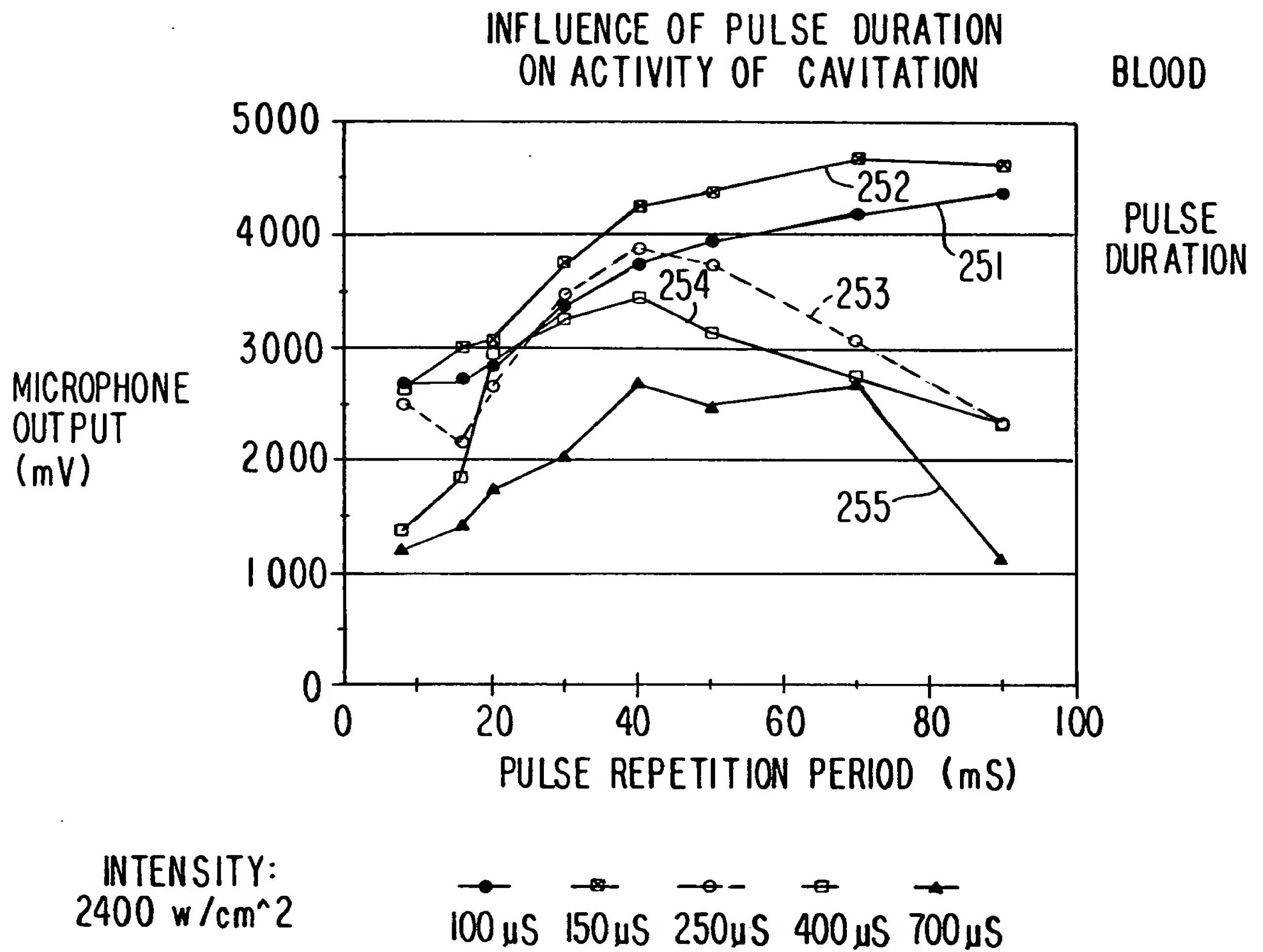
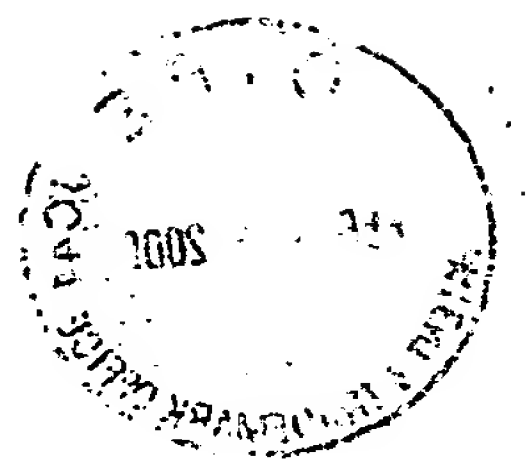
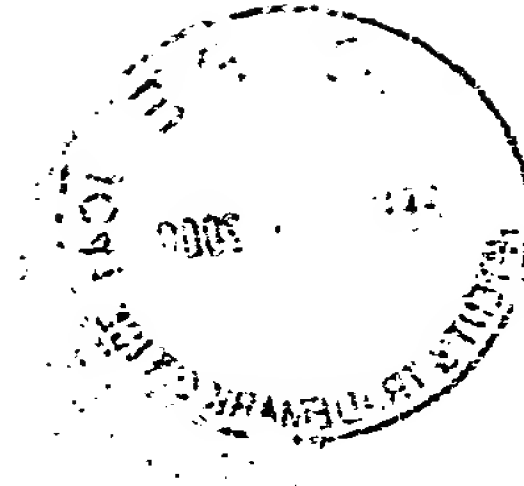
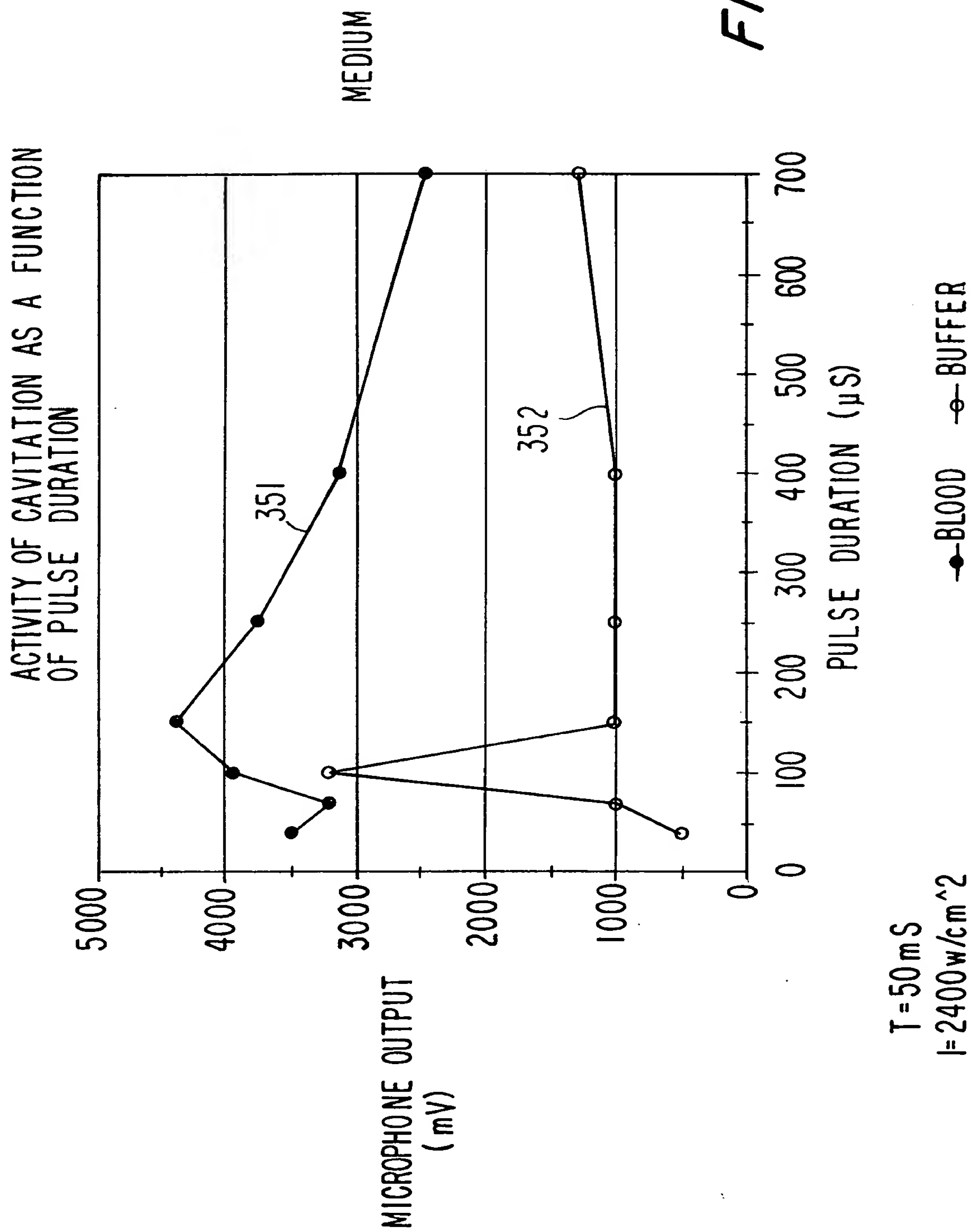
**FIG.16**

FIG. 17



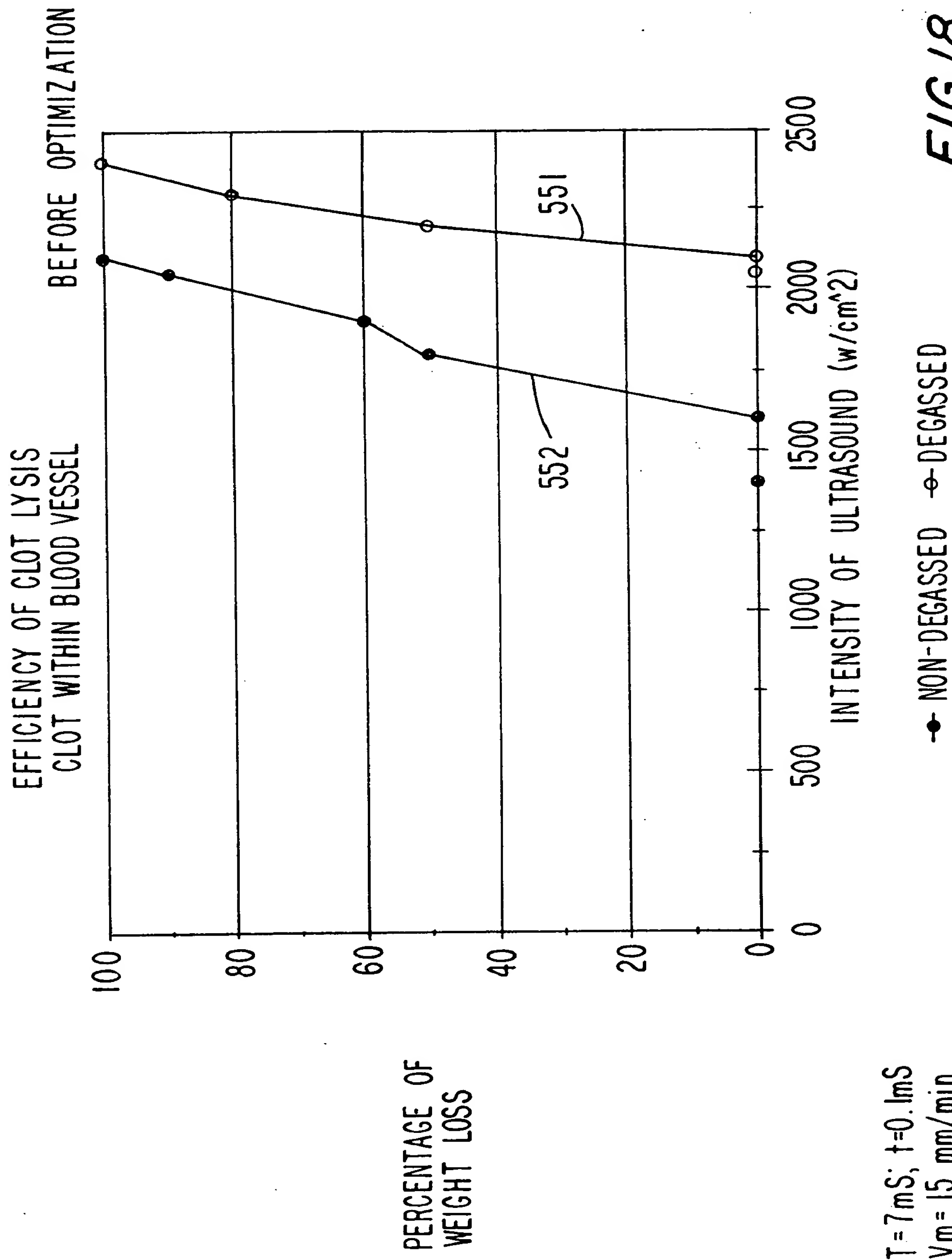


FIG. 18



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SEARCH FOR OPTIMUM TIME PARAMETERS
OF PULSED MODE SONIFICATION

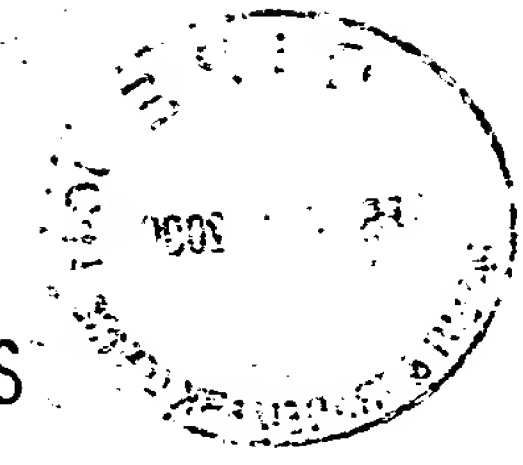
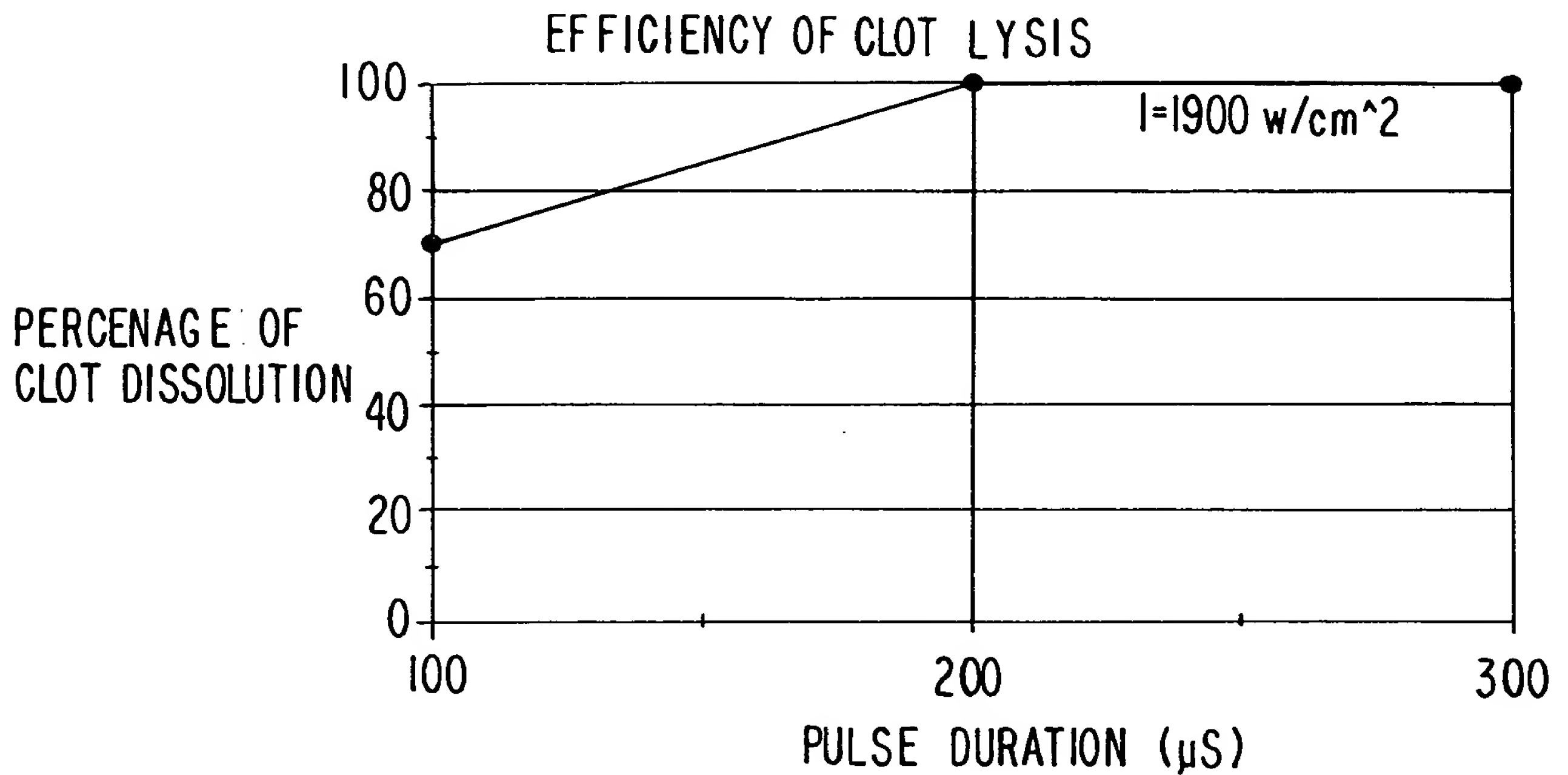


FIG.19A

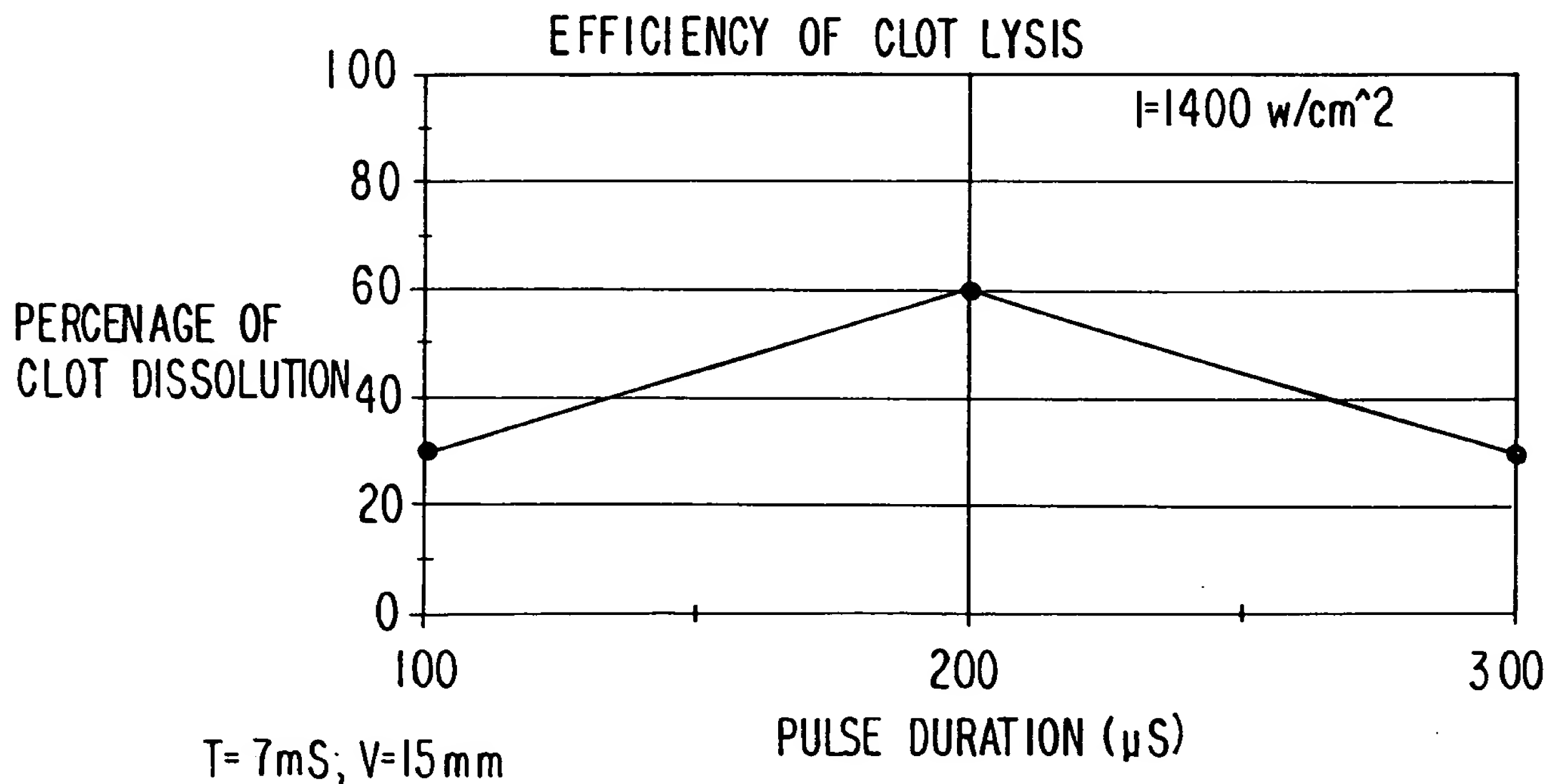
CLOT WITHIN BLOOD VESSEL

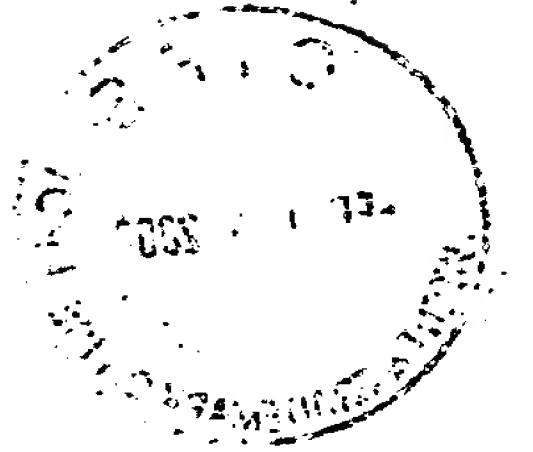
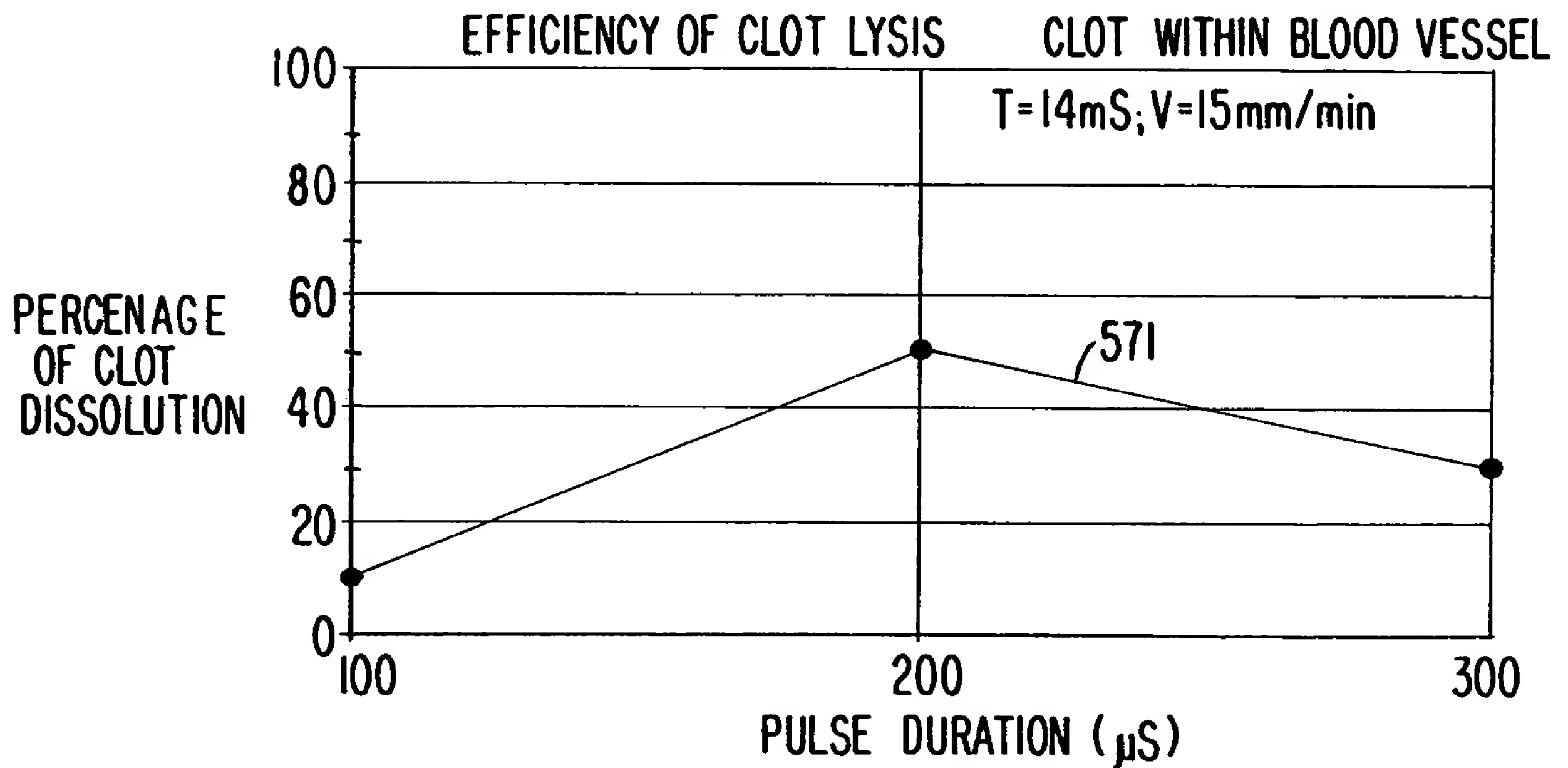
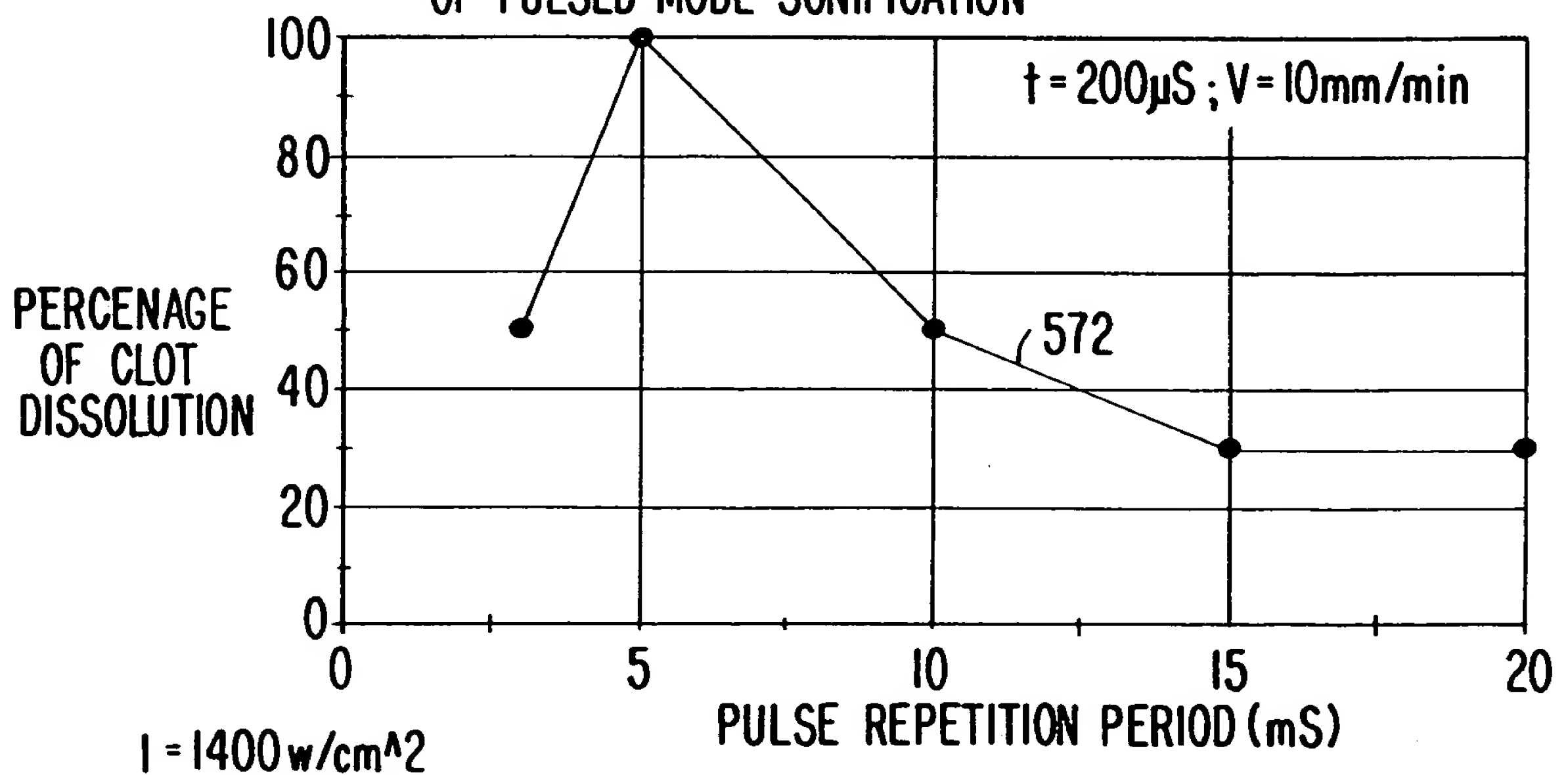


SEARCH FOR OPTIMUM TIME PARAMETER
OF PULSED MODE SONIFICATION

FIG.19B

CLOT WITHIN BLOOD VESSEL



**FIG. 20A**SEARCH FOR OPTIMUM TIME PARAMETERS
OF PULSED MODE SONIFICATION**FIG. 20B**SEARCH FOR OPTIMUM TIME PARAMETERS
OF PULSED MODE SONIFICATION

SEARCH FOR OPTIMUM TIME PARAMETERS OF PULSED MODE SONIFICATION

FIG.20C

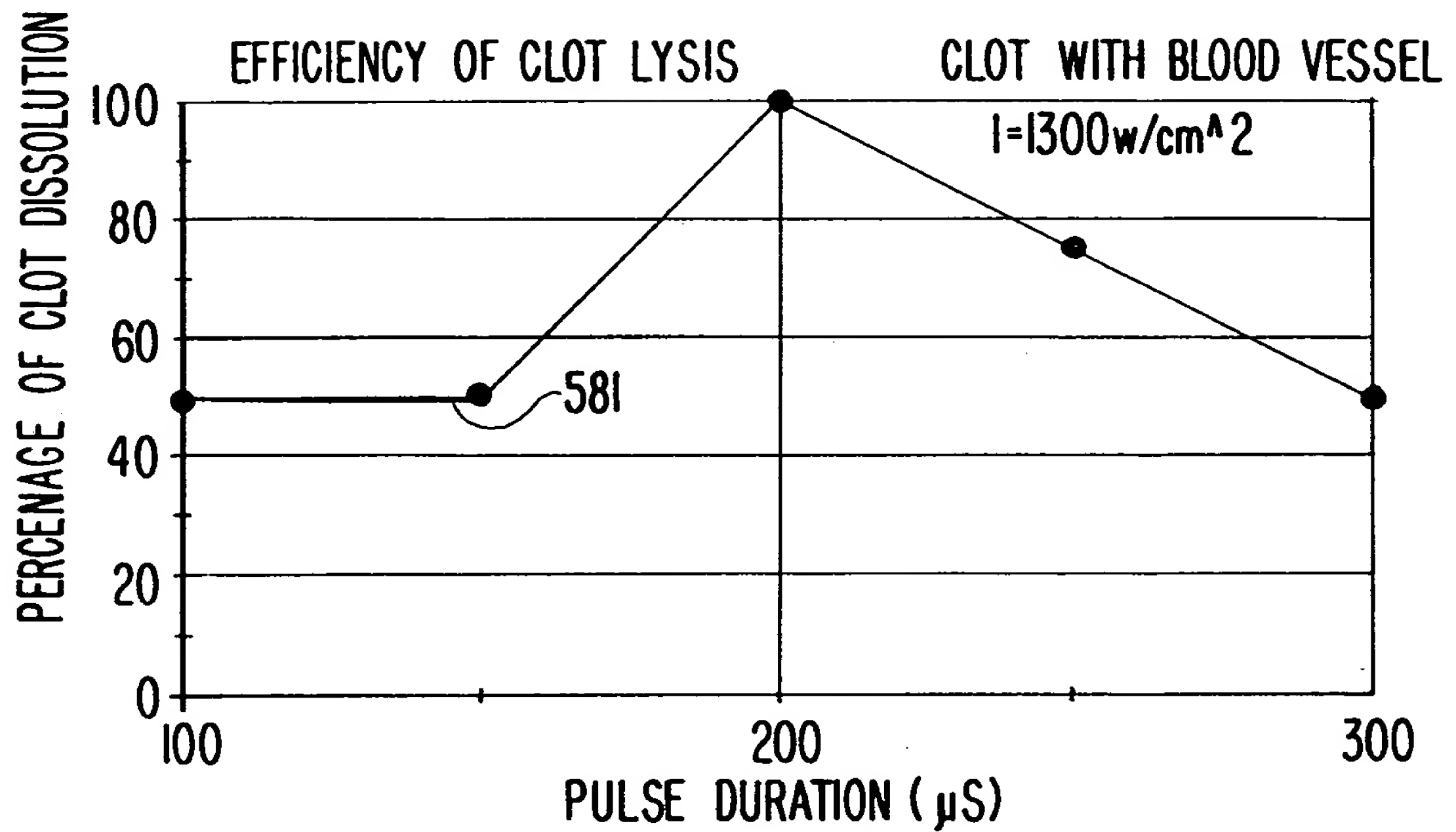
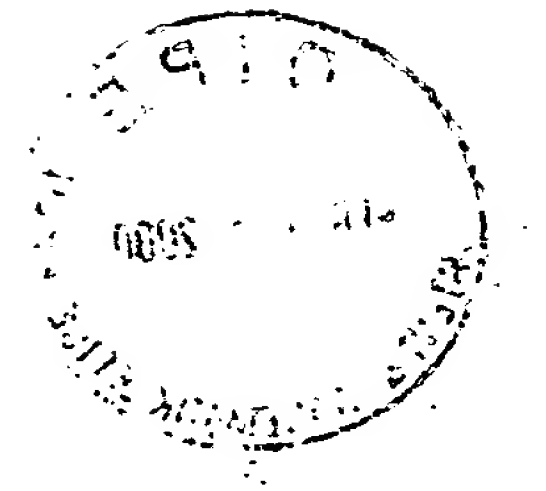


FIG.21

SEARCH FOR OPTIMUM TIME PARAMETERS OF PULSED MODE SONIFICATION

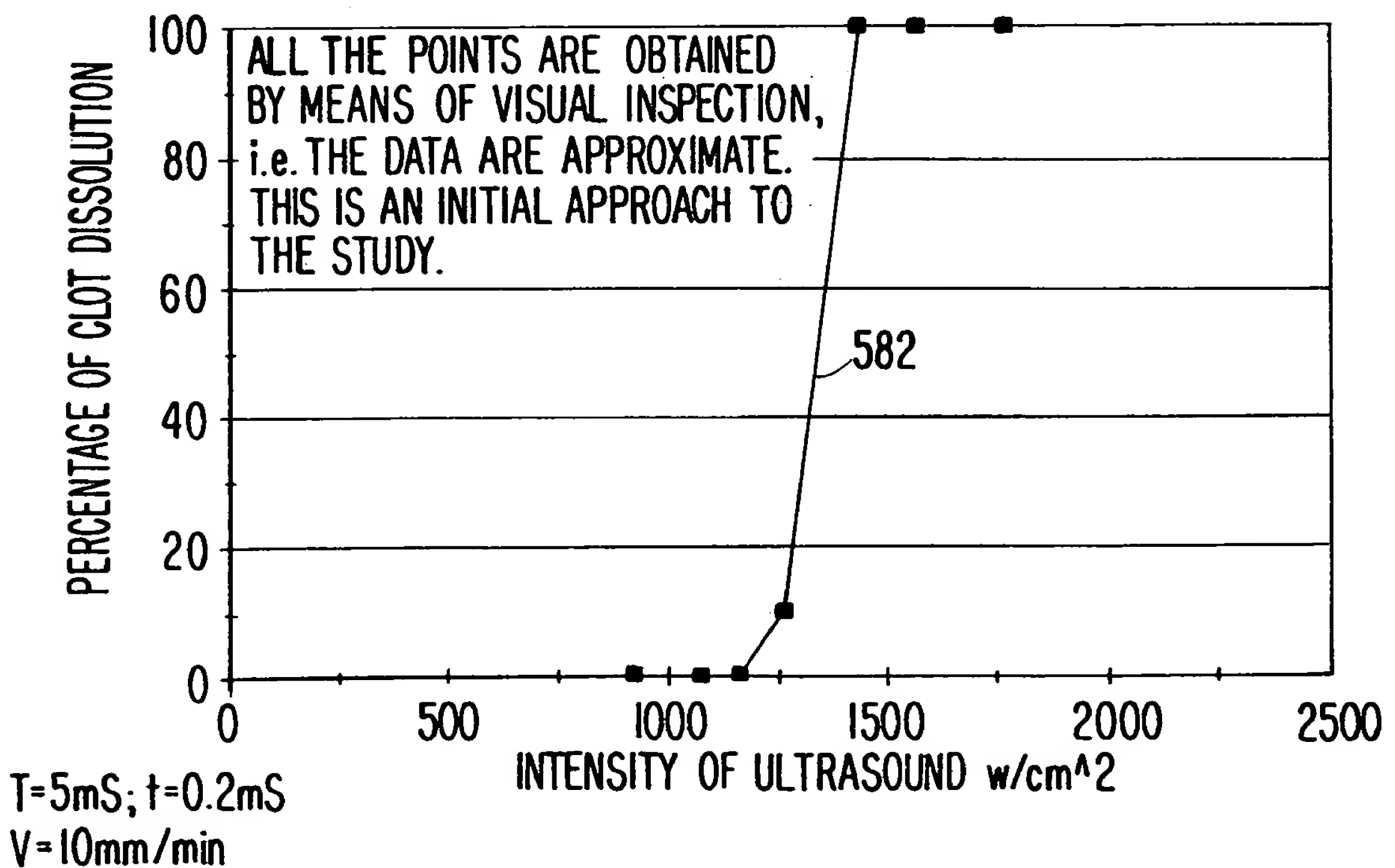
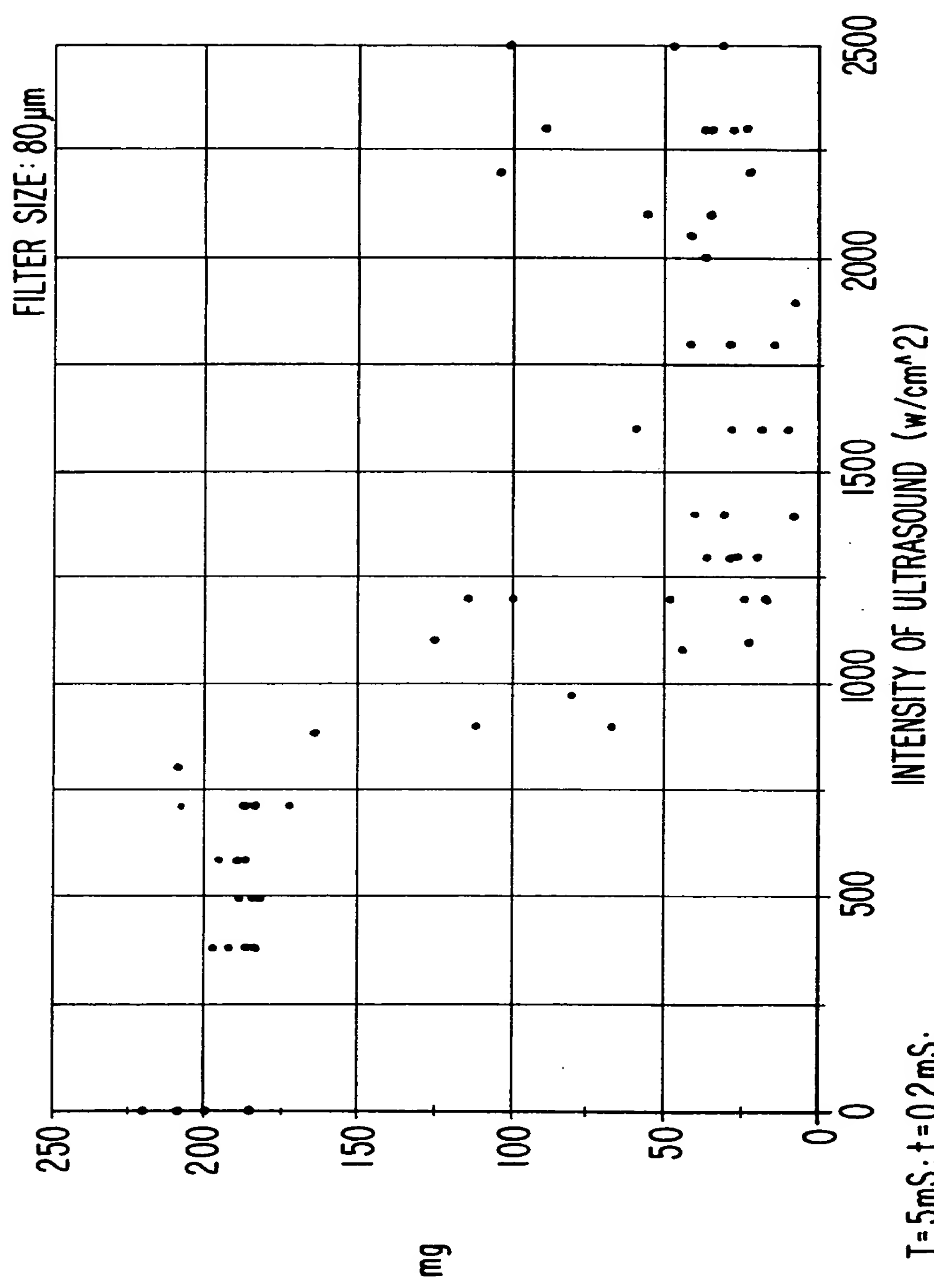
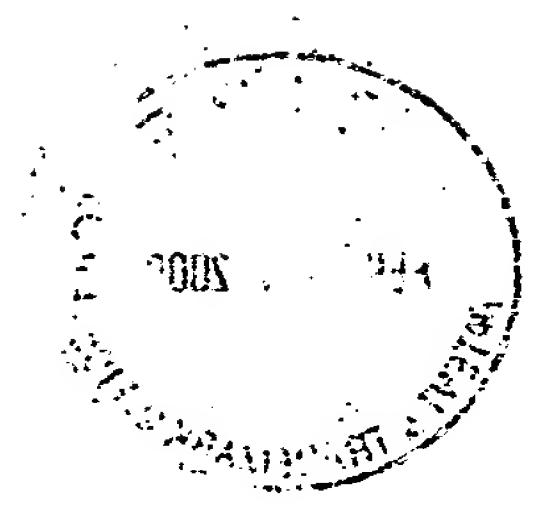


FIG. 22

WEIGHT OF UNLYSED CLOT AS A FUNCTION OF US INTENSITY



T=5mS; t=0.2mS;
F=650KHz; V=5mm/min



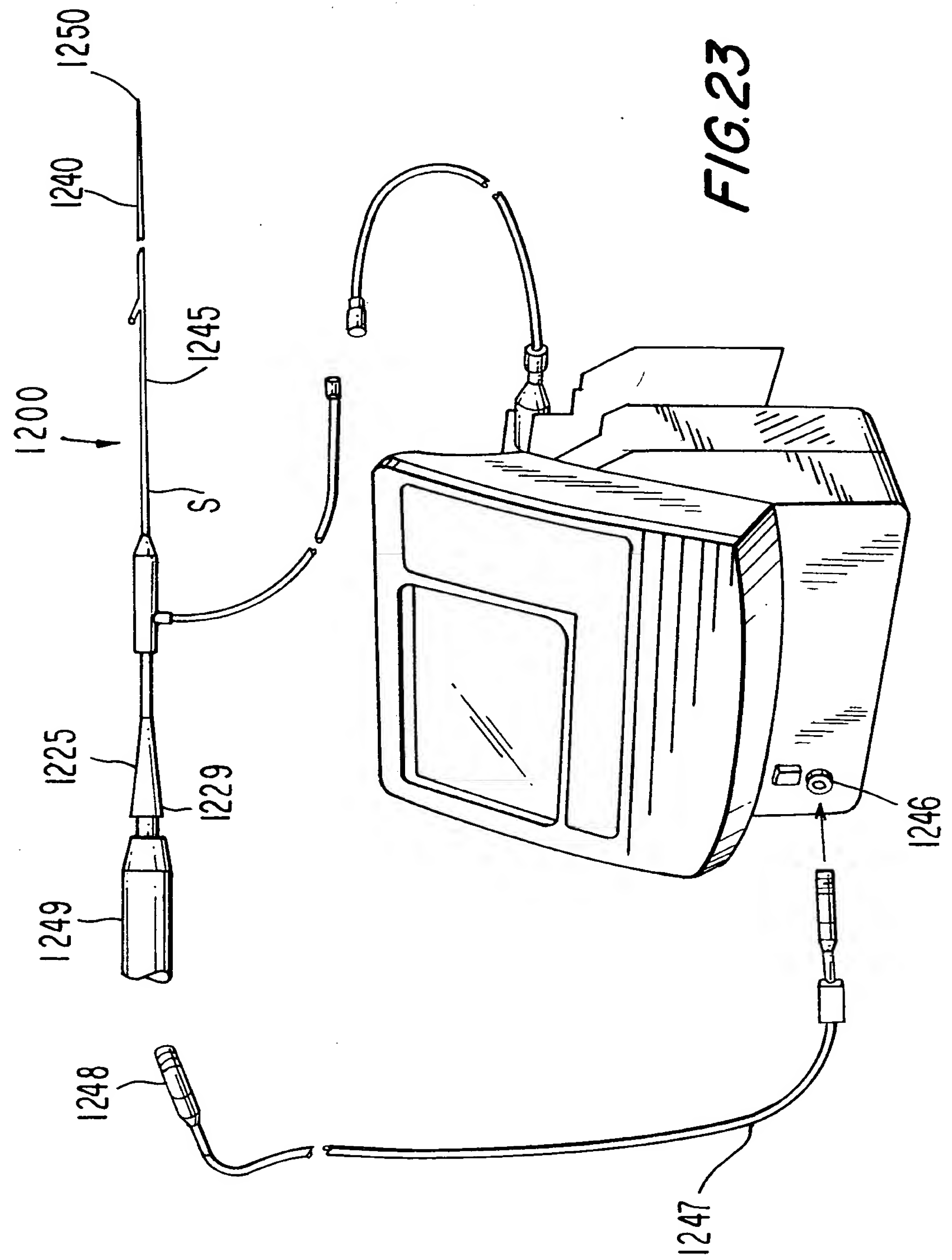
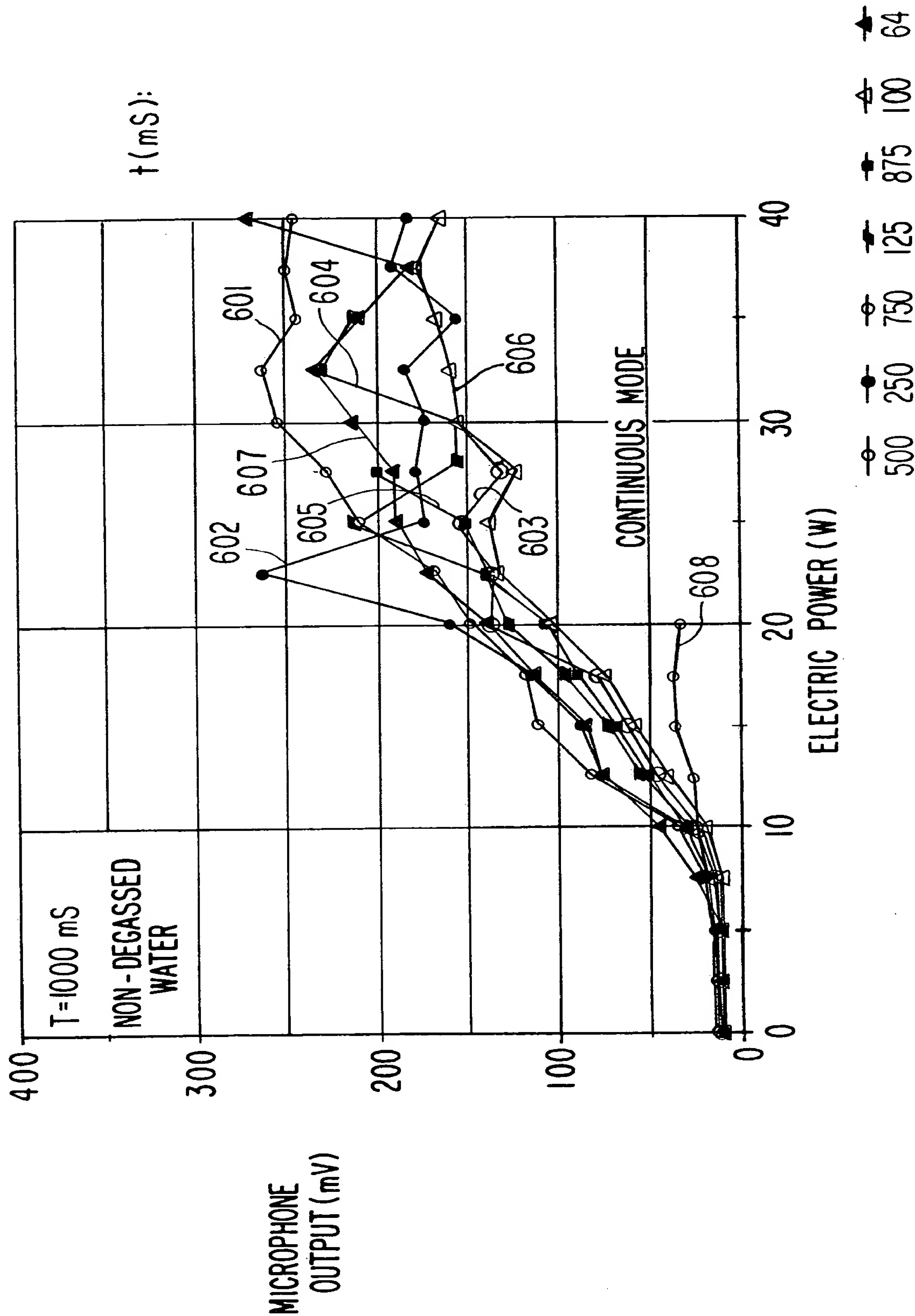


FIG. 24

VIOLENCE OF CAVITATION AS A FUNCTION
OF POWER SUPPLIED TO THE TRANSDUCER



VIOLENCE OF CAVITATION AS A FUNCTION
OF POWER SUPPLIED TO THE TRANSDUCER

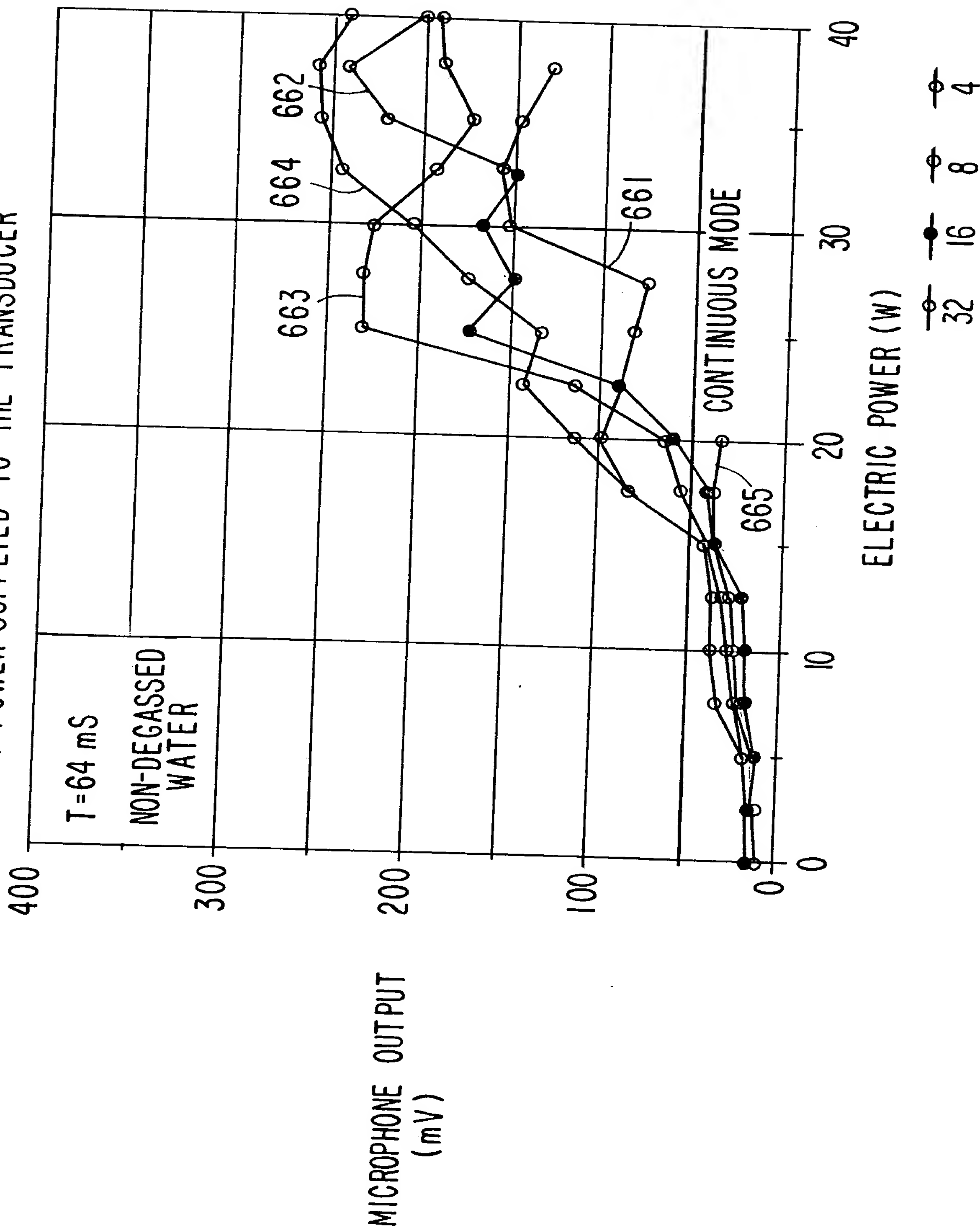
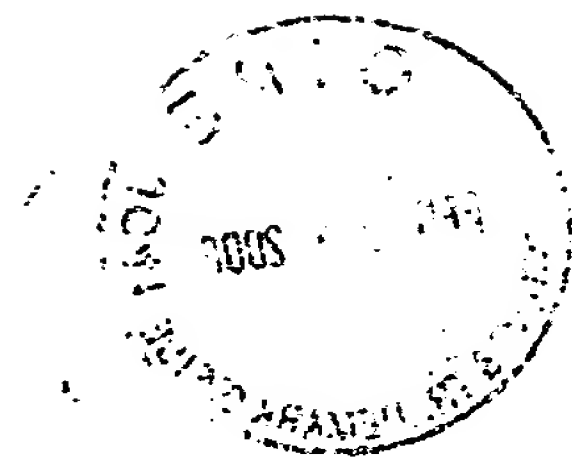
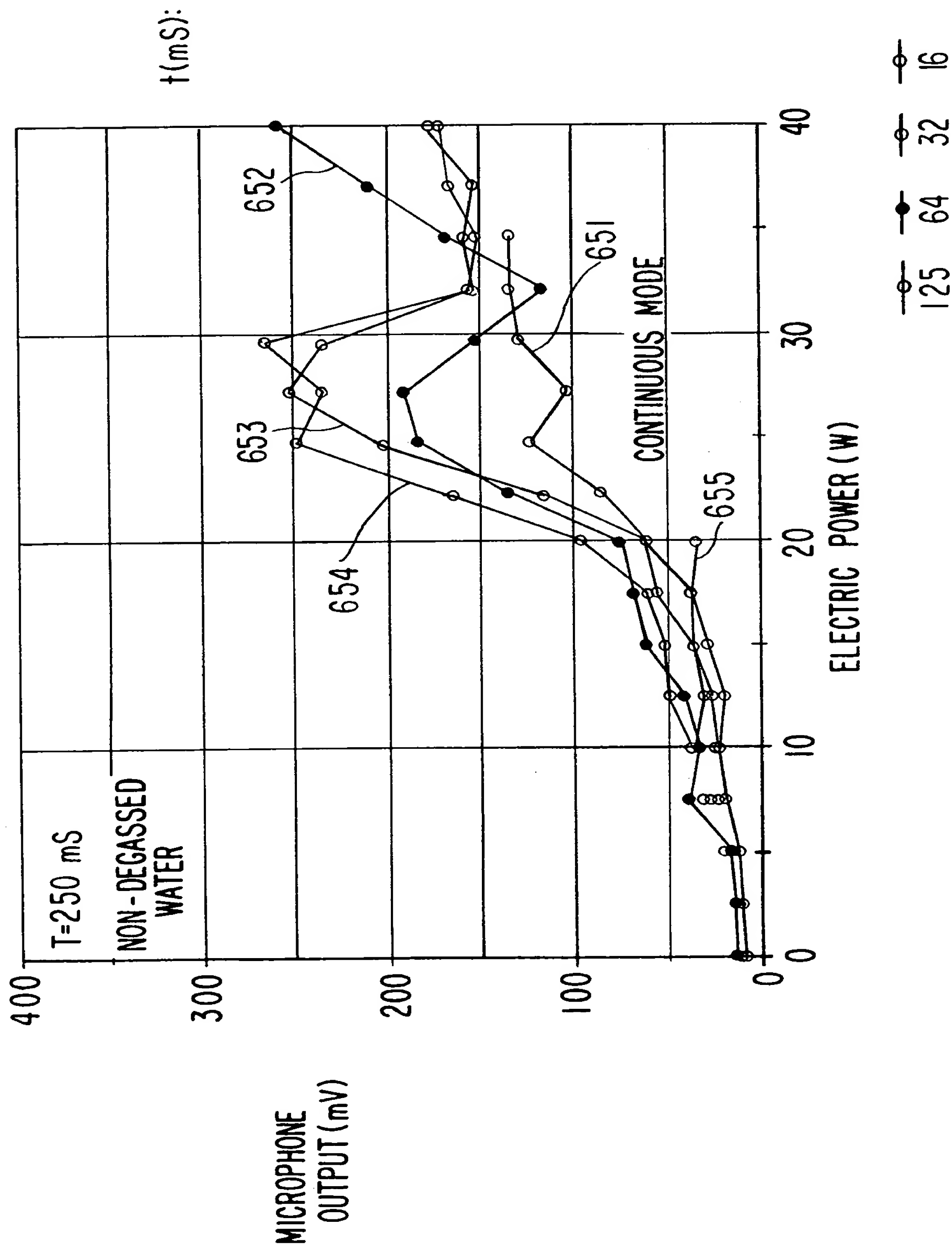


FIG. 26



FIG. 25

VIOLENCE OF CAVITATION AS A FUNCTION
OF POWER SUPPLIED TO THE TRANSDUCER



VIOLENCE OF CAVITATION AS A FUNCTION
OF POWER SUPPLIED TO THE TRANSDUCER

FIG.27

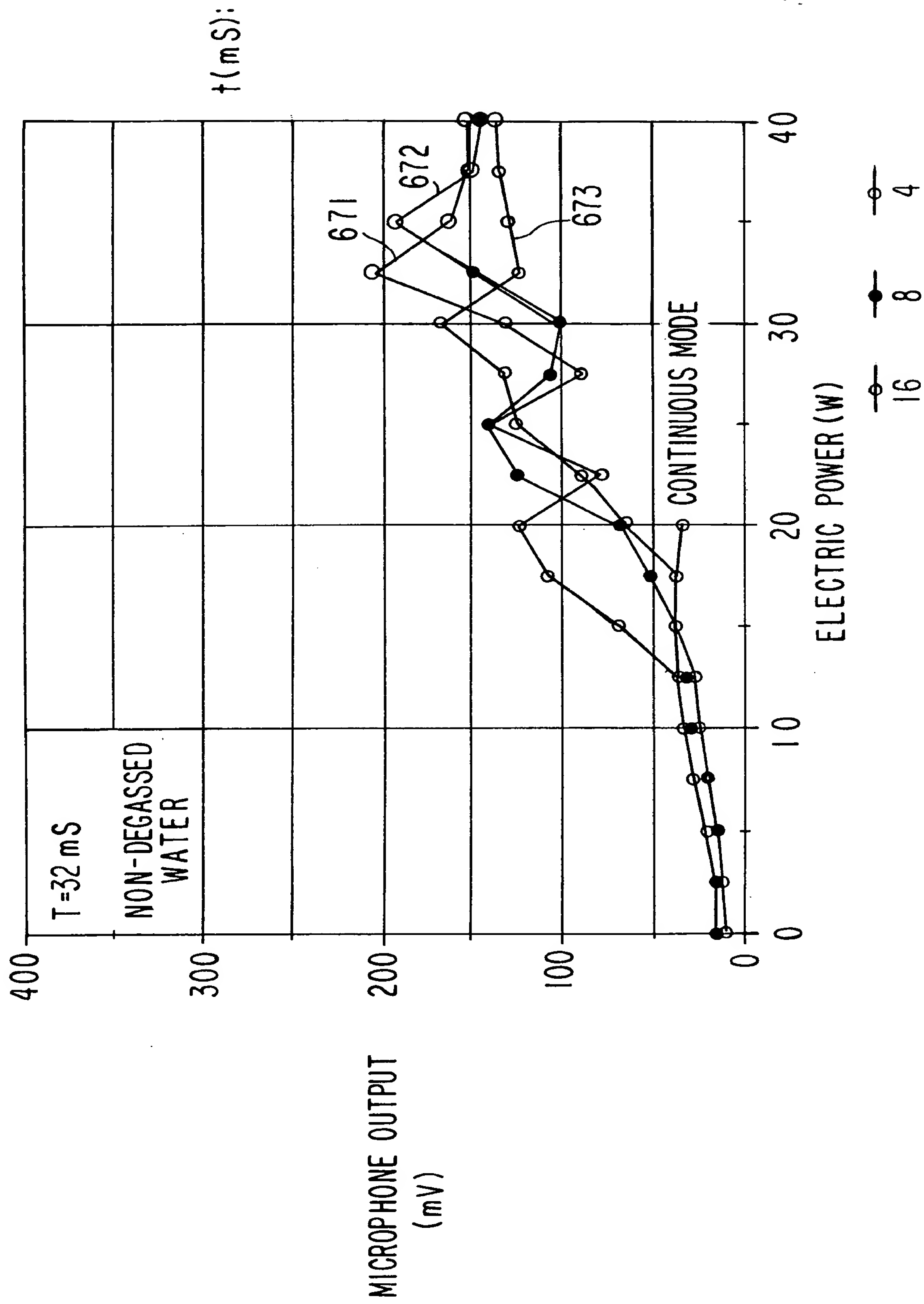
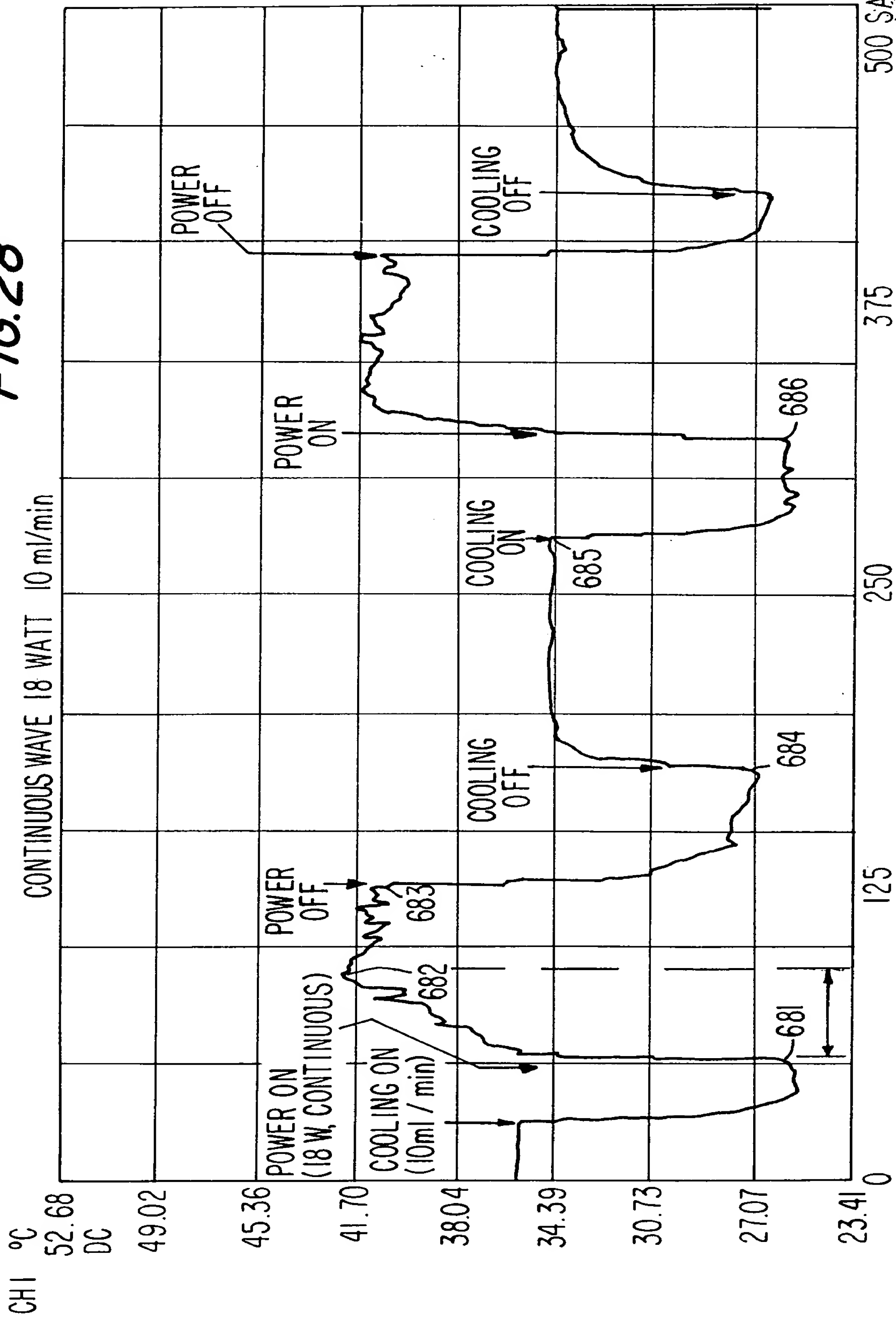


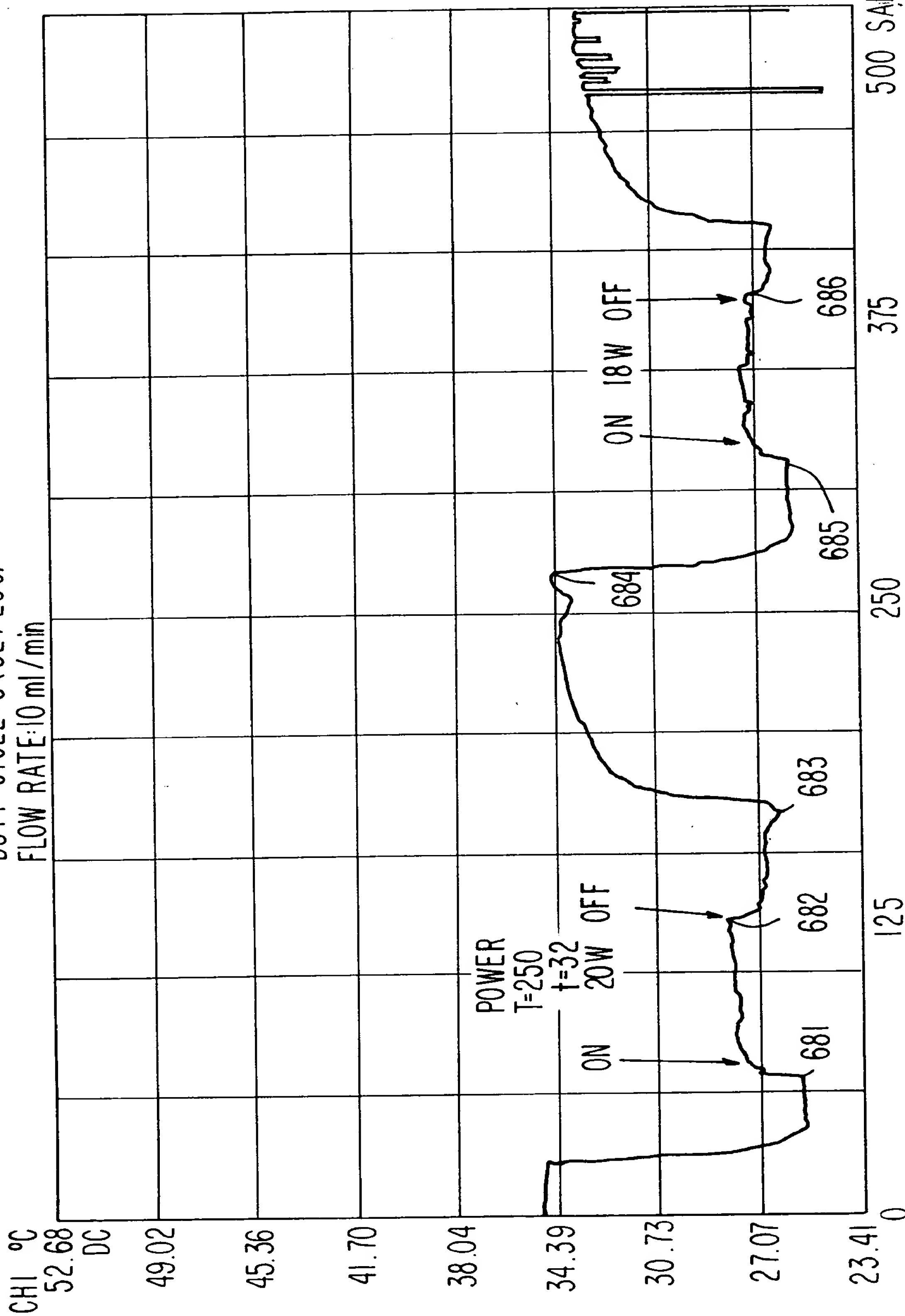
FIG. 28



SAMPLING TIME = 2.40 sec
NO. OF SAMPLES = 3000

FIG.29

DUTY CYCLE=8(32/250)
FLOW RATE:10 ml/min



SAMPLING TIME = 2.40 sec
NO. OF SAMPLES = 499

FIG.30

DUTY CYCLE=16(16/250)
FLOW RATE=10 ml/min

